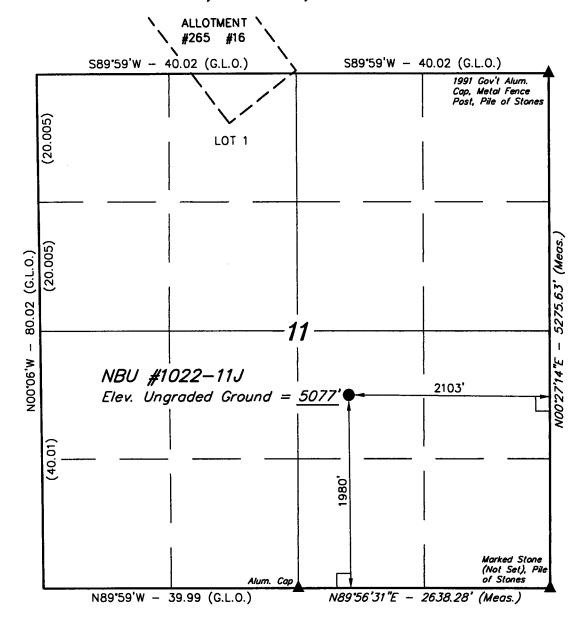
STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

 $\overline{}$	R	R A	

AMENDED REPORT (highlight changes)

U-V 1		5. MINERAL LEASE NO: U-1197-A-ST	6. SURFACE: State						
1A. TYPE OF WO	DRK: D	RILL 🗹 F	REENTER [] DEEPEN				7. IF INDIAN, ALLOTTEE OR	TRIBE NAME:
B. TYPE OF WE	B. TYPE OF WELL: OIL GAS OTHER SINGLE ZONE MULTIPLE ZONE NATURAL BUTTES UNIT								
2. NAME OF OFENATOR.								9. WELL NAME and NUMBER NBU #1022-11J	
3. ADDRESS OF			10. FIELD AND POOL, OR WINATURAL BUTTE						
4. LOCATION OF	WELL (FOOTAGE		11. QTR/QTR, SECTION, TOV MERIDIAN:						
			442452-	7 Y 39,4 × -109.	76181 404-	10		NWSE 11 105	3 22E
	PRODUCING ZO				7077	-			L 40 0T1T5
		EAST OF OL						12. COUNTY: UINTAH	13. STATE: UTAH
		EAST OF OU		16. NUMBER OF	F ACRES IN LEA	ASE:	17. N	UMBER OF ACRES ASSIGNED	TO THIS WELL:
1980'			(/			1674.19			40
	O NEAREST WELI	L (DRILLING, COMPL	ETED, OR	19. PROPOSED	DEPTH:		20. B	OND DESCRIPTION:	
	O TOPO C	_ (8,400		LB0005236	
21. ELEVATIONS 5076'GL	S (SHOW WHETHE	ER DF, RT, GR, ETC.):	22. APPROXIM/	ATE DATE WOF	RK WILL START:	23. E	STIMATED DURATION:	
24.			PROPOS	SED CASING A	ND CEME	NTING PROGRAM			
SIZE OF HOLE	CASING SIZE,	GRADE, AND WEIG	HT PER FOOT	SETTING DEPTH		CEMENT TYPE, QUA	ANTITY	, YIELD, AND SLURRY WEIGHT	
12 1/4"	9 5/8"	H-40	32.3#	250	110 SX				
7 7/8"	4 1/2"	J-55	11.6#	8,400	1760 SX				
								·····	
25.				ATTA	CHMENTS	3			
VERIFY THE FO	LLOWING ARE AT	TACHED IN ACCOR	DANCE WITH THE	UTAH OIL AND GAS C	ONSERVATION	GENERAL RULES:			
₩ WELL P	LAT OR MAP PRE	PARED BY LICENSE	D SURVEYOR OR I	ENGINEER		OMPLETE DRILLING PLAN			
✓ EVIDEN							HE LEASE OWNER		
	OUE!	LA LIDOUEO	^			DECLUATOR	V A1	JAI VST	
NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY ANALYST									
SIGNATURE	[[lll	alge	Mend		DA	TE 8/6/2003			
(This space for St	ate use only)		0						
	. 4			App Uta	roved b		3=	CEIVED	
API NUMBER AS	SSIGNED:	3-041-351	46	Oil, G	APPROV	Na comp			
				Date: 0	1-04	120-		3 1 8 2003	
(11/2001)				(S) a Instructi	orls on Reverse	DIV.	OF C	OIL, GAS & MINING	

T10S, R22E, S.L.B.&M.



LEGEND:

__ = 90° SYMBOL

= PROPOSED WELL HEAD.

= SECTION CORNERS LOCATED.

(NAD 83)

LATITUDE = 39'57'41.94" (39.961650)

LONGITUDE = 109'24'18.97" (109.405269)

WESTPORT OIL AND GAS COMPANY, L.P.

Well location, NBU #1022-11J, located as shown in the NW 1/4 SE 1/4 of Section 11, T10S, R22E, S.L.B.&M. Uintah County, Utah.

BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF

REGISTERED LAND SURVEYOR REGISTRATION NO. 161319 STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING 85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: DATE DRAWN: 07-03-03 07-09-03 REFERENCES G.L.O. PLAT				
B.B. J.W. D.COX					
WEATHER HOT	FILE WESTPORT OIL AND GAS COMPANY I P				

NBU #1022-11J NW/SE Sec. 11,T S,R22E UINTAH COUNTY, UTAH U-1197-A-ST

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. Estimated Tops of Important Geologic Markers:

<u>Formation</u>	<u>Depth</u>
Uinta	Surface
Green River	1035'
Wasatch	3975'
Mesaverde	6375'
TD	8400'

2. Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:

Substance	<u>Formation</u>	<u>Depth</u>
Gas Gas	Green River Wasatch Mesaverde	1035' 3975' 6375'
Water Other Minerals	N/A N/A	

3. Pressure Control Equipment (Schematic Attached)

Please see the attached Drilling Program.

4. Proposed Casing & Cementing Program:

Please see the attached Drilling Program

5. Drilling Fluids Program:

Please see the attached Drilling Program.

6. Evaluation Program:

Please see the attached Drilling Program.

7. Abnormal Conditions:

Maximum anticipated bottomhole pressure calculated at 8400' TD, approximately equals 3360 psi (calculated at 0.4 psi/foot).

Maximum anticipated surface pressure equals approximately 1512 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. Anticipated Starting Dates:

Drilling is planned to commence immediately upon approval of this application.

9. <u>Variances:</u>

Please see the attached Drilling Program.

10. Other Information:

Please see the attached Drilling Program.

NBU #1022-11J NW/SE Sec. 11, T10S-R22E Uintah County, UT U-1197-A-ST

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. Existing Roads:

Refer to Topo Map A for directions to the location.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

Refer to Topo Maps A and B for location of access roads within a 2 mile radius.

Improvements to existing access roads shall be determined at the on-site inspection.

All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.

2. Planned Access Roads:

Refer to Topo Map B for the location of the proposed access road.

The upgraded and new portions of the access road will be crowned and ditched with a running surface of 18 feet and a maximum disturbed width of 30 feet, *unless modified at the on-site inspection*. Appropriate water control will be installed to control erosion.

Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities shall be determined at the on-site.

The access road was centerline flagged during time of staking.

Surfacing material may be necessary, depending upon weather conditions.

Surface disturbance and vehicular traffic will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

3. Location of Existing Wells Within a 1-Mile Radius:

Please refer to Topo Map C.

4. Location of Existing & Proposed Facilities:

The following guidelines will apply if the well is productive.

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.

A dike will be constructed completely around those production facilities which contain fluids (i.e., production tanks, produced water tanks, and/or heater/treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

All permanent (on-site six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the five state Rocky Mountain Inter-Agency Committee.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The required color is Carlsbad Canyon, standard color number 2.5Y 6/2.

Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.

Refer to Topo D for the proposed pipeline.

5. Location and Type of Water Supply:

Water for drilling purposes will be obtained from Dalbo Inc.'s underground well located in Ouray, Utah, Sec. 32, T4S, R3E, Water User Claim #43-8496, Application #53617.

Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

6. Source of Construction Materials:

Surface and subsoil materials in the immediate area will be utilized.

Any gravel will be obtained from a commercial source.

7. Methods of Handling Waste Materials:

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.

The reserve pit will be constructed on the location and will not be located within natural drainage, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids. The need for a reserve pit liner will be determined at the on-site inspection.

If a plastic reinforced liner is used, it will be a minimum of 12 mil thick, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

A chemical porta-toilet will be furnished with the drilling rig.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash will be burned on location.

All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

Any produced water from the proposed well will be contained in a water tank and will then be hauled By truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S, R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E.

8. Ancillary Facilities:

None are anticipated.

9. Well Site Layout: (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s). This section is subject to modification as a result of the on-site inspection.

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

If it is determined that a pit liner will be used at the on-site inspection, the reserve pit will be lined, and when the reserve pit is closed, the pit liner will be buried below plow depth.

All pits will be fenced according to the following minimum standards:

39 inch net wire will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.

The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.

Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.

All wire shall be stretched, by using a stretching device, before it is attached to corner posts.

The reserve pit fencing will be on three sides during drilling operations, and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

Location size may change prior to the drilling of the well due to current rig availability. If the proposed location is not large enough to accommodate the drilling rig the location will be re-surveyed and a Form 9 shall be submitted.

10. Plans for Reclamation of the Surface:

Producing Location:

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production.

Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

If a plastic, nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.

To prevent surface water (s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface three feet above surrounding ground surface to allow the reclaimed pit area to drain effectively.

Upon completion of backfilling, leveling, and recontouring, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

Dry Hole/Abandoned Location:

Abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions, and re-establishment of vegetation as specified.

All disturbed surfaces will be recontoured to the approximate natural contours, with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. Reseeding operations will be performed after completion of other reclamation operations.

11. Surface Ownership:

SITLA 675 East 500 South, Suite 500 Salt Lake City, UT 84102

12. Other Information:

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, the approved Plan of Operations, and any applicable Notice of Lessees. The Operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

The Operator will control noxious weeds along Rights-Of-Way for roads, pipelines, well sites, or other applicable facilities.

A Class III archaeological survey has been completed and a copy of this report shall be submitted as soon as it becomes available.

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it Within 460' of any non-committed tract lying within the boundaries of the Unit.

13. Lessee's or Operators's Representative & Certification:

Sheila Upchego Regulatory Analyst Westport O&G Co. L.P. P.O. Box 1148 Vernal, UT 84078 (435) 781-7024 Randy Bayne Drilling Manager Westport O&G Co. L.P. P.O. Box 1148 Vernal, UT 84078 (435) 781-7018

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Westport O& GCo. L.P. is considered to be the operator of the subject well. Westport O& G Co. L.P agrees to be responsible under terms and conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Westport O&G Co. L.P. State Surety Bond: RLB0005236.

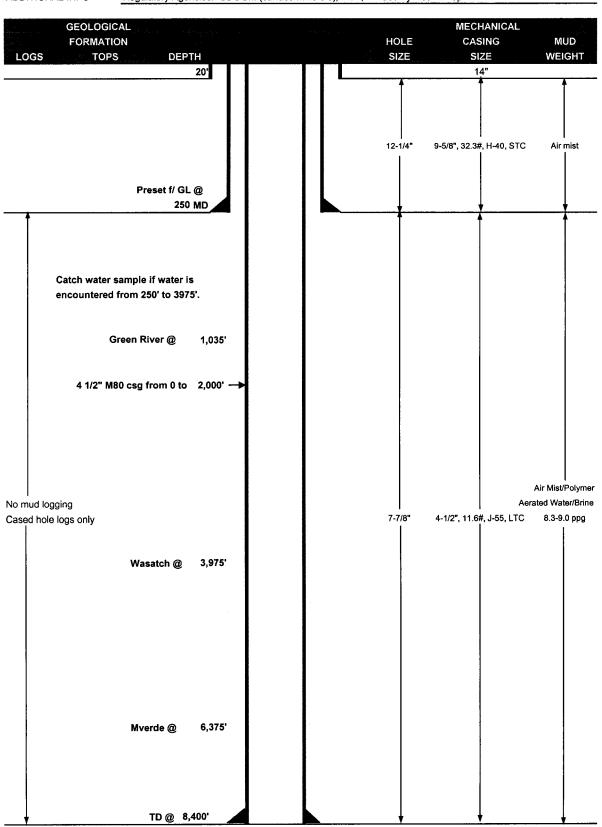
I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

/ hull nachem	8/6/03
Sheila Upchego	Date



Westport Oil and Gas Company, L.P. DRILLING PROGRAM

Westport Oil and Gas Co., L.P. DATE July 30, 2003 COMPANY NAME WELL NAME **NBU 1022-11J** TD 8,400' MD/TVD FIELD Natural Buttes COUNTY Uintah STATE Utah **ELEVATION** 5,075' GL KB 5,090' SURFACE LOCATION 1980' FSL, 2103' FEL, NWSE, SEC. 11, T10S, R22E BHL Straight Hole OBJECTIVE ZONE(S) Wasatch/Mesaverde ADDITIONAL INFO Regulatory Agencies: UDOGM (surface/minerals), BLM, Tri-County Health Dept.





CASING PROGRAM

									DESIGN FACTO	DRS
	SIZE	INT	ΓERV	'AL	WT.	GR.	CPLG.	BURST	COLLAPSE	TENSION
CONDUCTOR	14"		0-20	_						
								2270	1370	254000
SURFACE	9-5/8"	0	to	250	32.30	H-40	STC	16.19	11.71	4.37
								7780	6350	201000
PRODUCTION	4-1/2"	0	to	2000	11.60	M-80	LTC	2.29	5.09	2.36
						*		5350	4960	162000
PRODUCTION	4-1/2"	2000	to	8400	11.60	J-55	LTC	2.12	1.26	2.50

- 1) Maximum Anticipated Surface Pressure (MASP) (Conductor and Surface Casings) = (Frac Gradient at Shoe Gas Gradient (0.115 psi/ft))(TVD)
- 2) MASP (Int Casing) = Pore Pressure at Next Casing Point (Gas Gradient x TVD of Next Casing Point x 0.67) (Mud Weight x TVD x 0.052 x 0.33)
- 3) MASP (Prod Casing) = Pore Pressure (Gas Gradient x TVD of Production Interval)

(Burst Assumptions: FG @ 8-5/8" shoe = 13.0 ppg, Max Pore Pressure = 9.0 ppg EMW)

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoyancy Factor)

CEMENT PROGRAM

	1			0.1.01/.0	EVOEGO:) NET (OL) T	V0=1.5
		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE		250	Class G + 2% CaCl2	110	35%	15.80	1.16
			+ 0.25 pps celloflake				
PRODUCTION	LEAD	3,470'	Premium Lite II + 3% KCI + 0.25 pps	380	60%	11.00	3.38
			celloflake + 5 pps gilsonite + 10% gel				
			+ 0.5% extender				
	TAIL	4,930'	50/50 Poz/G + 10% salt + 2% gel	1380	60%	14.30	1.31

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.						
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.						

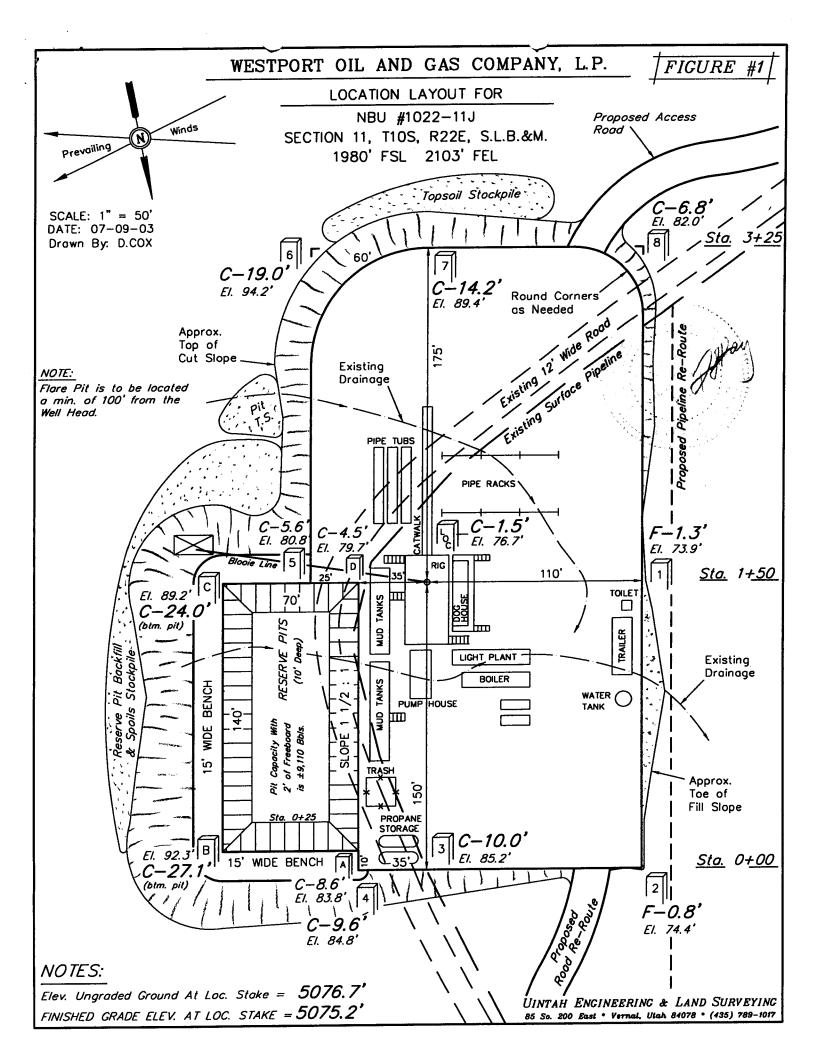
ADDITIONAL INFORMATION

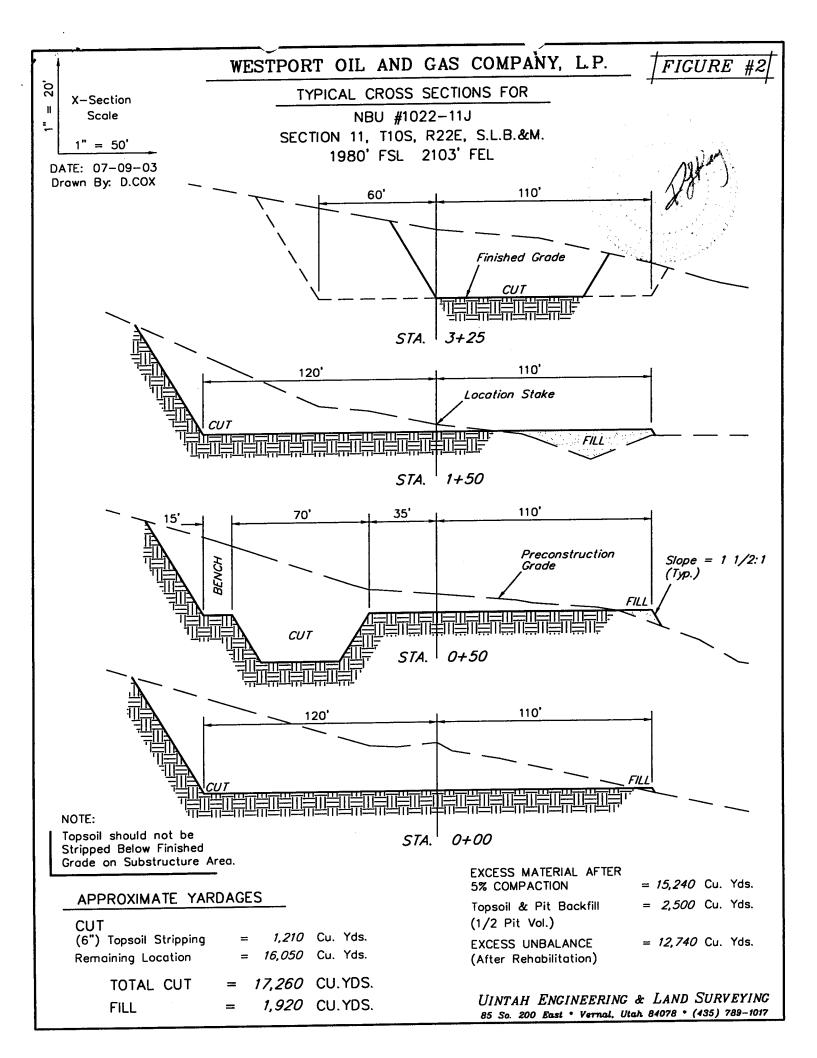
	Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out. BOPE: 11" 3M with one annular and 2 rams. Test to 3,000 psi (annular to 1,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper							
	& lower kelly valves.							
	rees.							
ILLING	ENGINEER:		DATE:					
		Brad Laney						
ILLING	SUPERINTENDENT:		DATE:					

WESTPORT OIL & GAS COMPANY, L.P. NBU #1022-11J SECTION 11, T10S, R22E, S.L.B.&M.

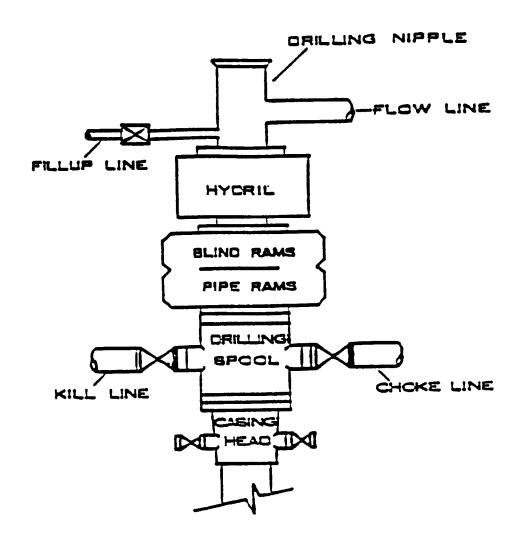
PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 11.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EASTERLY. LEFT AND PROCEED IN AN SOUTHEASTERLY DIRECTION APPROXIMATELY 9.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN A EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 1.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 1.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH: TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN EASTERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 1.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE TURN LEFT AND PROCEED IN A NORTHERLY, THEN NORTHWESTERLY, THEN NORTHERLY DIRECTION APPROXIMATELY 2.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH: PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY, THEN EASTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE NORTHEAST: **NORTHEASTERLY DIRECTION FLAGS** IN \mathbf{A} ROAD APPROXIMATELY 50' TO THE PROPOSED LOCATION.

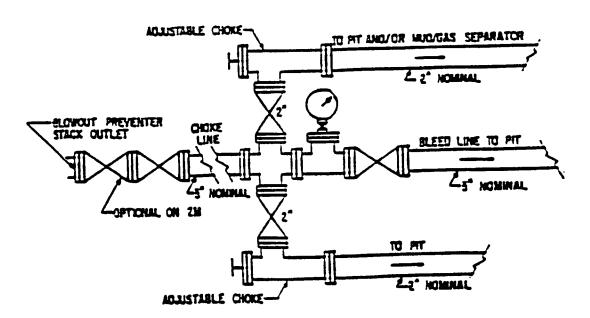
TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 59.6 MILES.

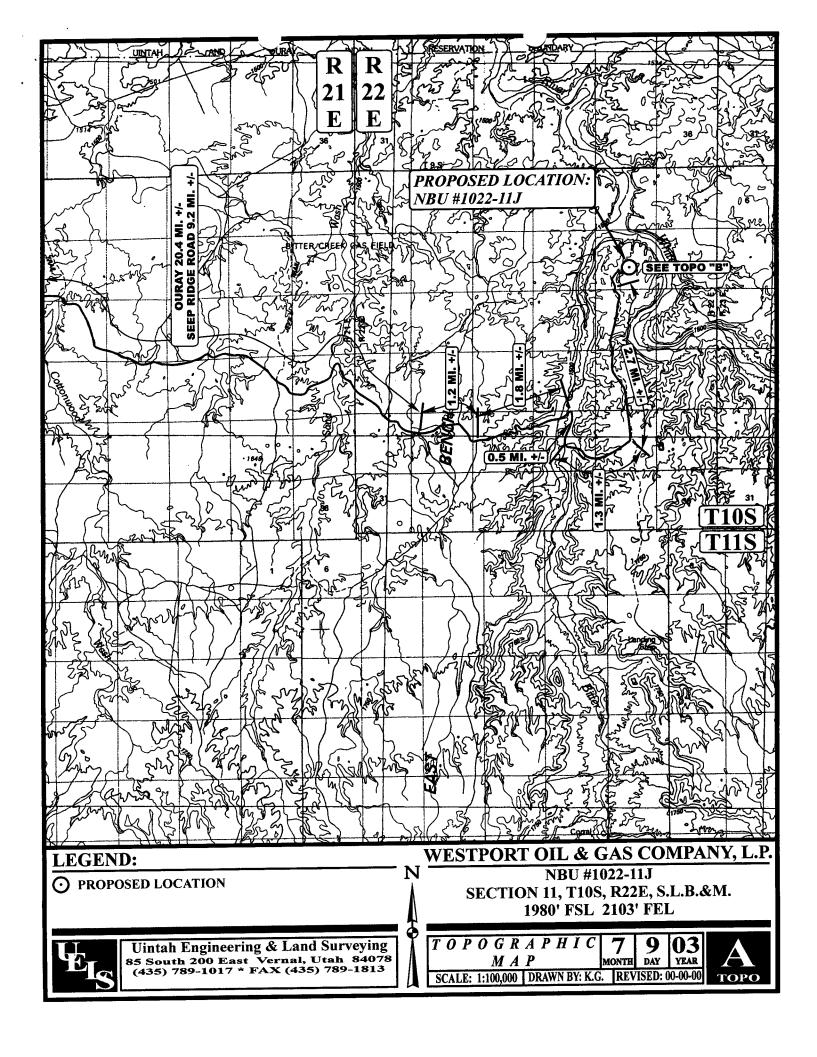




EOP STACK







WESTPORT OIL & GAS COMPANY, L.P.

NBU #1022-11J

LOCATED IN UINTAH COUNTY, UTAH SECTION 11, T10S, R22E, S.L.B.&M.

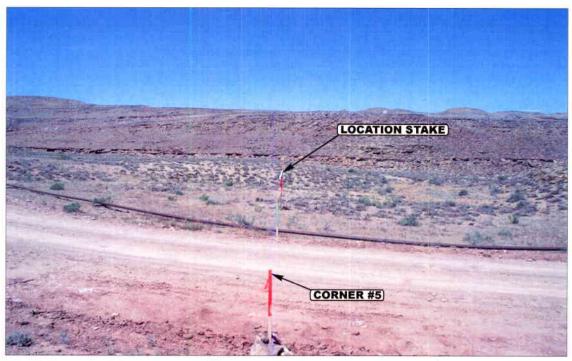


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: WESTERLY

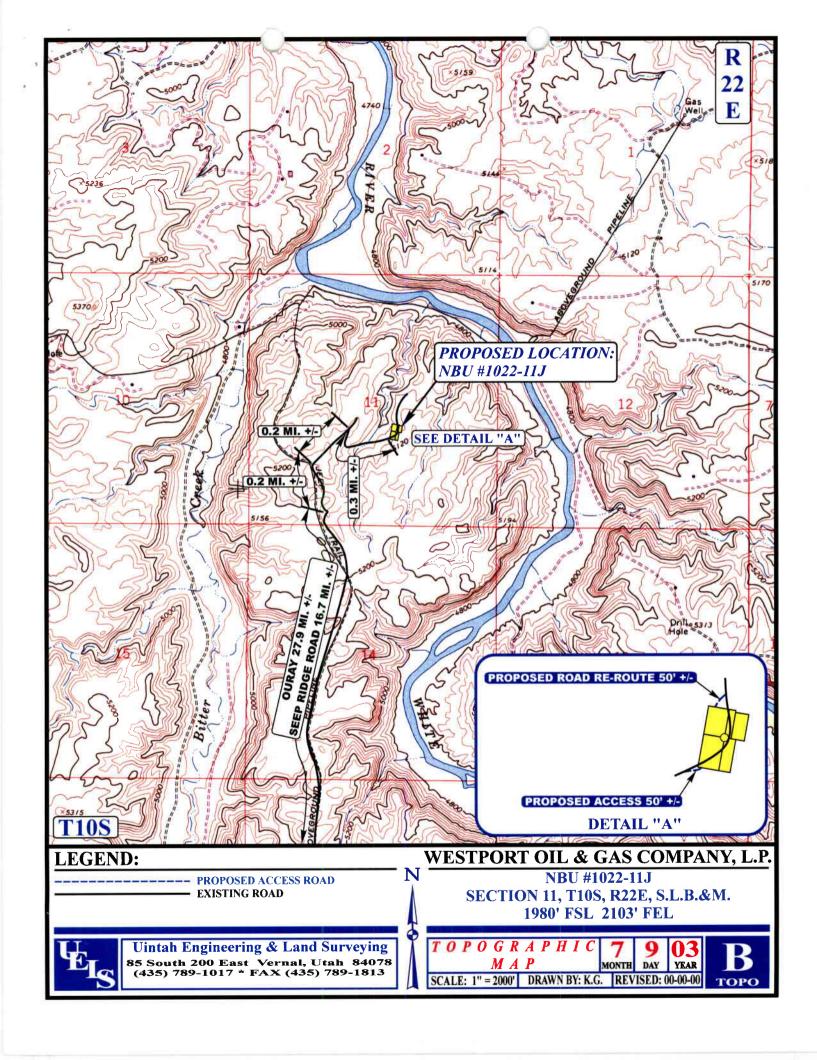


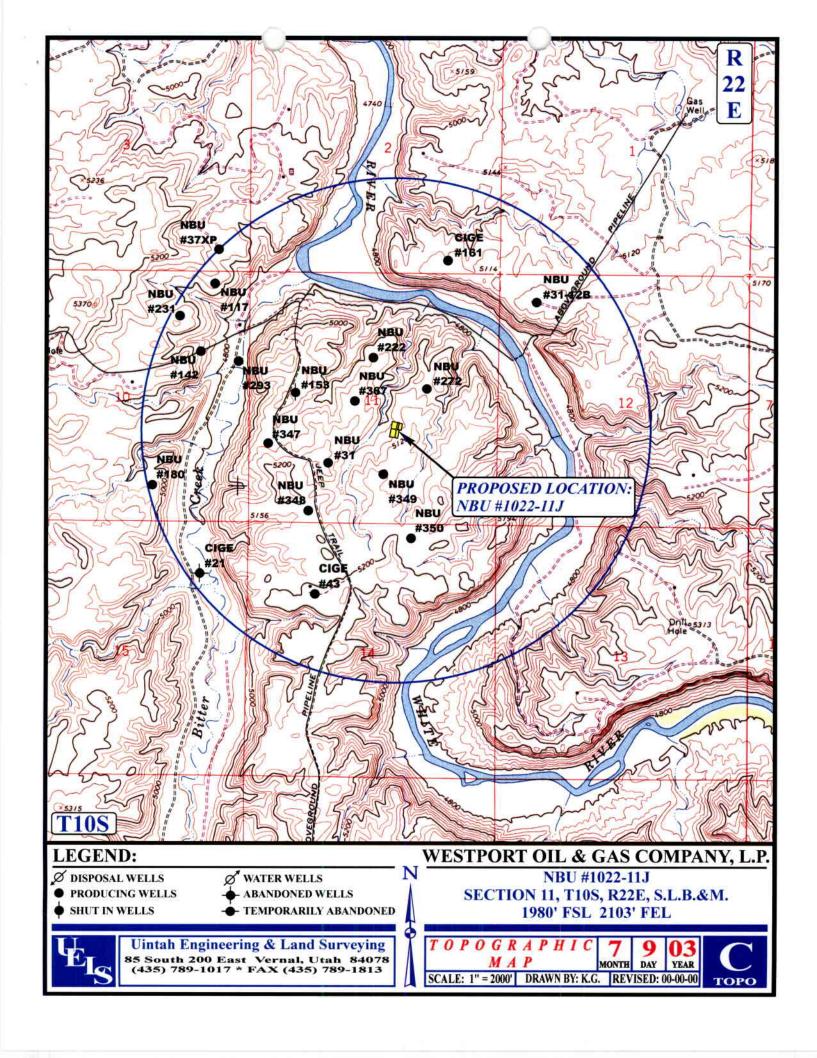
PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

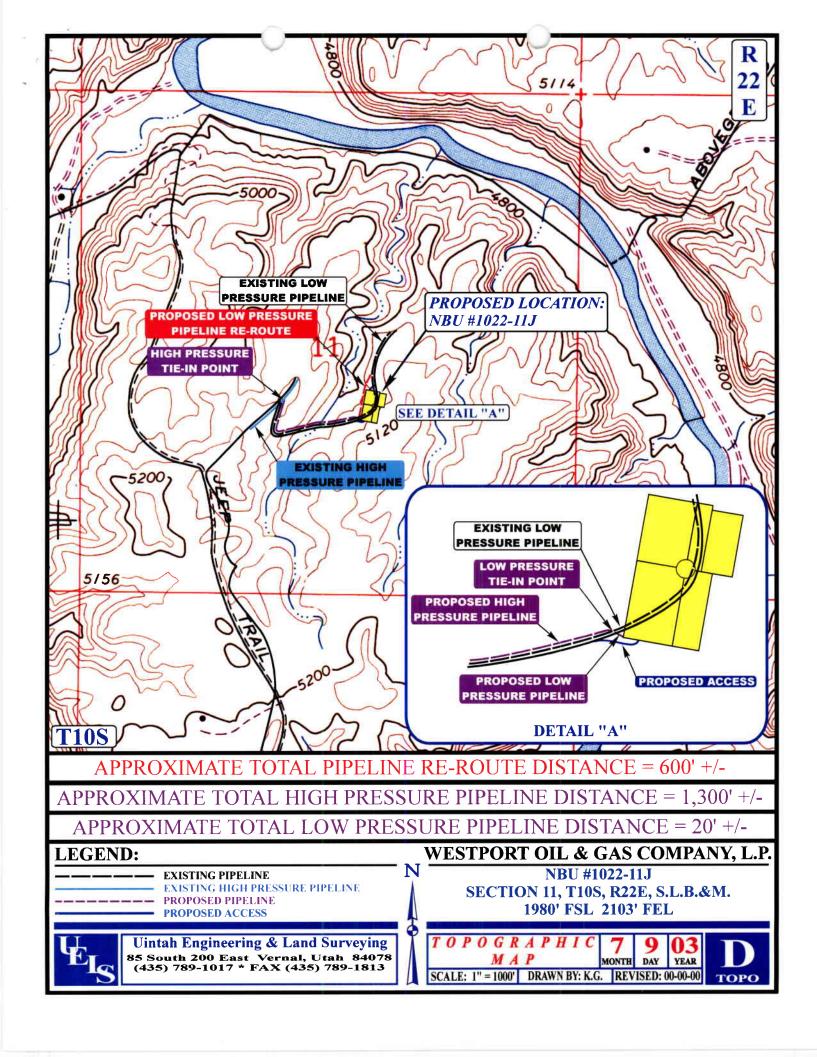
CAMERA ANGLE: NORTHEASTERLY



LOCATION PHOTOS		7 MONTH	9 DAY	03 YEAR	РНОТО
TAKEN BY: B.B.	DRAWN BY: K.G.	REV	ISED: (00-00-00	

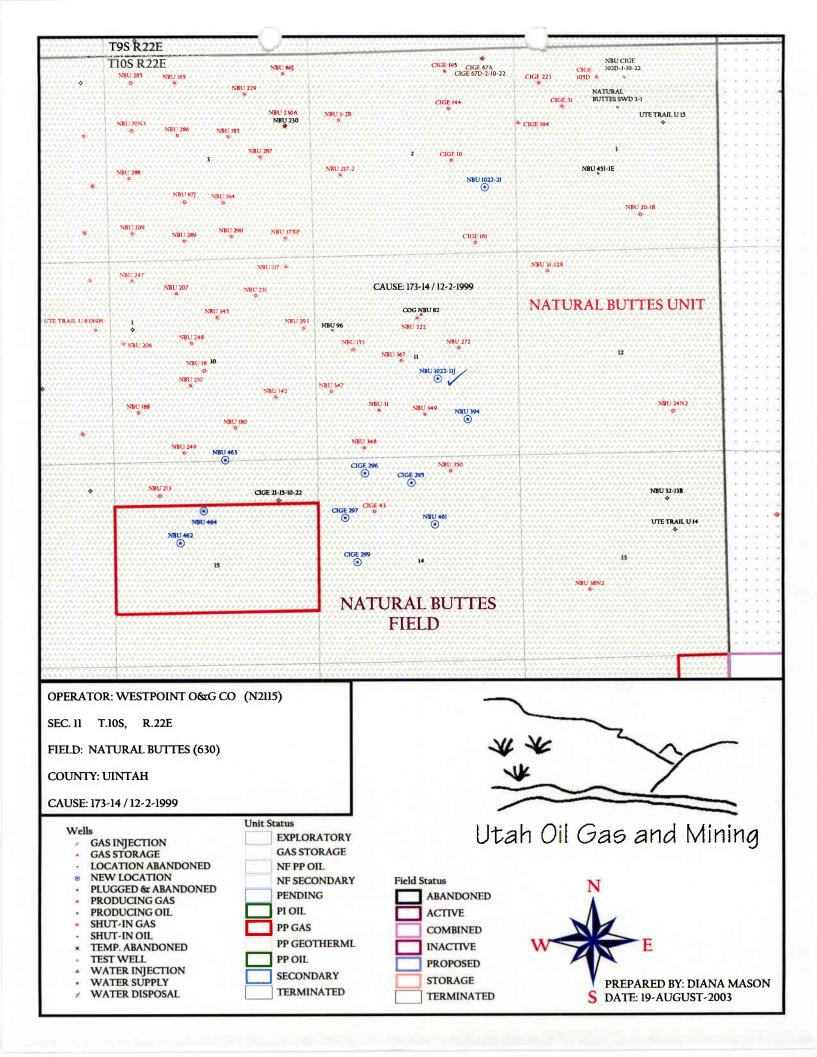






WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 08/18/2003	API NO. ASSIGNED: 43-047-35146
WELL NAME: NBU 1022-11J OPERATOR: WESTPORT OIL & GAS CO (N2115) CONTACT: SHEILA UPCHEGO	PHONE NUMBER: 435-781-7024
PROPOSED LOCATION: NWSE 11 100S 220E	INSPECT LOCATN BY: / /
SURFACE: 1980 FSL 2103 FEL BOTTOM: 1980 FSL 2103 FEL UINTAH	Tech Review Initials Date Engineering DRD 9/4/03
NATURAL BUTTES (630) LEASE TYPE: 3 - State	Geology Surface
LEASE TYPE: 3 - State LEASE NUMBER: U-1197-A-ST SURFACE OWNER: 3 - State PROPOSED FORMATION: MVRD	LATITUDE: 39.96181 LONGITUDE: 109.40472
Plat Bond: Fed[1] Ind[] Sta[] Fee[] (No. RLB0005236) Potash (Y/N) Oil Shale 190-5 (B) or 190-3 or 190-13 Water Permit (No. 43-8496) RDCC Review (Y/N) (Date:) N# Fee Surf Agreement (Y/N)	LOCATION AND SITING: R649-2-3. Unit NATURAL BUTTES R649-3-2. General Siting: 460 From Qtr/Qtr & 920' Between Wells R649-3-3. Exception Drilling Unit Board Cause No: 173-14 Eff Date: 13-3-149 Siting: 460'fr ubourary? Uncomm. Trace R649-3-11. Directional Drill
COMMENTS: <u>Luds Printi</u> (08	27-03)
STIPULATIONS: 1- OIL SHALE Z- STATEMENT OF J-Surface Carry Cont	St.P



United States Department of the Interior

BUREAU OF LAND MANAGEMENT Utah State Office P.O. Box 45155 Salt Lake City, Utah 84145-0155

IN REPLY REFER TO: 3160 (UT-922)

August 20, 2003

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2003 Plan of Development Natural Buttes Unit,

Uintah County, Utah.

Pursuant to email between Diana Mason, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management. The following well is planned for calendar year 2003 within the Natural Buttes Unit, Uintah County, Utah.

Api Number Well Location

(Proposed PZ Mesaverde)

43-047-34146 NBU 1022-11J Sec. 11 T. 10S R.22E 1980 FSL 2103 FEL

This office has no objection to permitting the well at this time.

/s/ Michael L. Coulthard

bcc: File - Natural Buttes Unit
Division of Oil Gas and Mining

Agr. Sec. Chron Fluid Chron

MCoulthard:mc:8-20-3

ON-SITE PREDRILL EVALUATION Division of Oil, Gas and Mining

OPERATOR: WESTORT OIL AND GAS COMPANY, L.P.

WELL NAME & NUMBER: NBU 1022-11J

API NUMBER: 43-047-35146

LEASE: U-1197-A-ST FIELD/UNIT: NATURAL BUTTES

LOCATION: 1/4,1/4 NW/SE Sec: 11 TWP: 10S RNG: 22E 2103' FEL 1980' FSL

LEGAL WELL SITING: 460' from unit boundary and uncommitted tracts.

GPS COORD (UTM): 4424514N 12 636271E SURFACE OWNER: STATE OF UTAH

PARTICIPANTS

DAVID W. HACKFORD (DOGM), FLOYD BARTLETT (DWR), CARROLL ESTES, CLAY EINERSON (WESTPORT), ROBERT KAY (UELS).

REGIONAL/LOCAL SETTING & TOPOGRAPHY

SITE IS ON THE WEST SIDE OF A RIDGE THAT RUNS SOUTH TO NORTH. THERE IS A SHARP DRAW 300' NORTHWEST OF SITE. THIS DRAW RUNS NORTH TO THE WHITE RIVER 0.4 MILES AWAY. THERE ARE NUMEROUS SANDSTONE OUTCROPPINGS OVER THE ENTIRE AREA. BITTER CREEK IS 0.8 MILES WEST OF THIS SITE. THE WHITE RIVER LOOPS AROUND AND IS ALSO 0.6 MILES EAST OF THIS SITE. OURAY, UTAH IS 47.3 MILES TO THE NORTHWEST.

SURFACE USE PLAN

CURRENT SURFACE USE: WILDLIFE AND LIVESTOCK GRAZING, HUNTING.

PROPOSED SURFACE DISTURBANCE: LOCATION WILL BE 325' BY 215'. ACCESS ROAD WILL BE 50 FEET.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: SEE ATTACHED MAP FROM GIS DATABASE.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: <u>ALL PRODUCTION</u> FACILITIES WILL BE ON LOCATION AND ADDED AFTER DRILLING WELL. PIPELINE WILL FOLLOW ACCESS ROAD.

SOURCE OF CONSTRUCTION MATERIAL: <u>ALL CONSTRUCTION MATERIAL WILL BE</u> BORROWED FROM SITE DURING CONSTRUCTION OF LOCATION.

ANCILLARY FACILITIES: NONE WILL BE REQUIRED.

WASTE MANAGEMENT PLAN:

DRILLED CUTTINGS WILL BE SETTLED INTO RESERVE PIT. LIQUIDS FROM PIT WILL BE ALLOWED TO EVAPORATE. FORMATION WATER WILL BE CONFINED TO STORAGE TANKS. SEWAGE FACILITIES, STORAGE AND DISPOSAL WILL BE HANDLED BY COMMERCIAL CONTRACTOR. TRASH WILL BE CONTAINED IN TRASH BASKETS AND HAULED TO AN APPROVED LAND FILL.

ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: NONE

FLORA/FAUNA: <u>SAGE</u>, <u>SALTBRUSH</u>, <u>SHADSCALE</u>, <u>PRICKLEY PEAR</u>, <u>GREASEWOOD</u>, <u>CHEATGRASS: PRONGHORN</u>, <u>RODENTS</u>, <u>SONGBIRDS</u>, <u>RAPTORS</u>, <u>COYOTE</u>, <u>RABBITS</u>.

SOIL TYPE AND CHARACTERISTICS: LIGHT BROWN SANDY CLAY.

EROSION/SEDIMENTATION/STABILITY: <u>VERY LITTLE NATURAL EROSION.</u>
<u>SEDIMENTATION AND STABILITY ARE NOT A PROBLEM AND LOCATION CONSTRUCTION</u>
<u>SHOULDN'T CAUSE AN INCREASE IN STABILITY OR EROSION PROBLEMS.</u>

PALEONTOLOGICAL POTENTIAL: NONE OBSERVED.

RESERVE PIT

CHARACTERISTICS: 140' BY 70' AND 10' DEEP.

LINER REQUIREMENTS (Site Ranking Form attached): A 20 MIL PLASTIC LINER AND FELT SUB-LINER WILL BE REQUIRED FOR RESERVE PIT.

SURFACE RESTORATION/RECLAMATION PLAN

AS PER SITLA.

SURFACE AGREEMENT: AS PER SITLA.

CULTURAL RESOURCES/ARCHAEOLOGY: <u>SITE WAS INSPECTED BY MONTGOMERY ARCHEOLOGICAL CONSULTANTS. A REPORT OF THIS INVESTIGATION WILL BE PLACED ON FILE.</u>

OTHER OBSERVATIONS/COMMENTS

THIS PREDRILL INVESTIGATION WAS CONDUCTED ON A HOT, CLOUDY DAY.

ATTACHMENTS

PHOTOS OF THIS SITE WERE TAKEN AND PLACED ON FILE.

DAVID W. HACKFORD DOGM REPRESENTATIVE

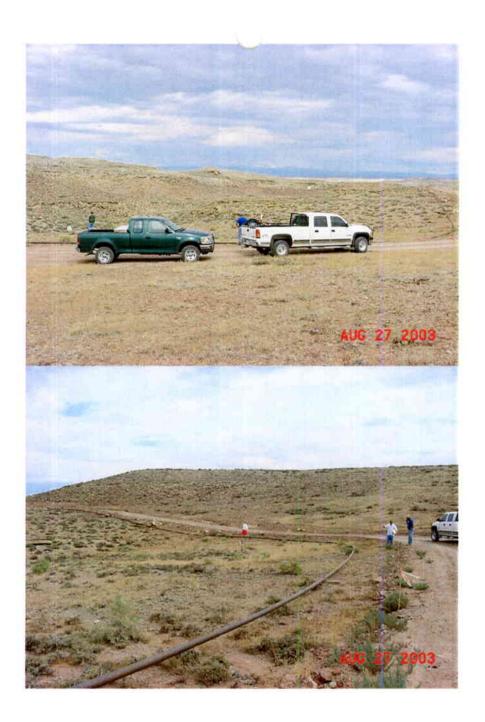
8/27/03, 11:30 AM DATE/TIME

Evaluation Ranking Criteria and Ranking Score For Reserve and Onsite Pit Liner Requirements

Site-Specific Factors	Ranking	Site Ranking
Distance to Groundwater (feet) >200 100 to 200	0 5	
75 to 100	10	
25 to 75	15	2
<25 or recharge area	20	0
Distance to Surf. Water (feet)	0	
>1000 300 to 1000	0 2	
200 to 300	10	
100 to 200 < 100	15 20	10
	_,	
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280 500 to 1320	5 10	
<500	20	0
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	0
Native Soil Type		
Low permeability Mod. permeability	0 10	
High permeability	20	_20
Fluid Type		
Air/mist	0	
Fresh Water TDS >5000 and <10000	5 10	
TDS >10000 and <10000 TDS >10000 or Oil Base Mud Fluid	15	
containing significant levels of		_
hazardous constituents	20	5
Drill Cuttings	_	
Normal Rock Salt or detrimental	0 10	0
	10	
Annual Precipitation (inches) <10	0	
10 to 20	5	
>20	10	0
Affected Populations		
<10 10 to 30	0 6	
30 to 50	8	
>50	10	0
Presence of Nearby Utility Conduits		
Not Present	0	
Unknown	10	^
Present	15	0

Final Score 35 (Level I Sensitivity)

Sensitivity Level I = 20 or more; total containment is required.
Sensitivity Level II = 15-19; lining is discretionary.
Sensitivity Level III = below 15; no specific lining is required.





DIVISION OF OIL, GAS AND MINING APPLICATION FOR PERMIT TO DRILL STATEMENT OF BASIS

OPERATOR:	WESTPORT OIL AND GAS COMPANY, L.P.
WELL NAME & NUMBER:	
API NUMBER:	43-047-35146
LOCATION: 1/4,1/4 NW/SE Sec:	: 11 TWP: 10S RNG: 22E 2103' FEL 1980' FSL
, <u> </u>	
Geology/Ground Water:	
water at this location is estimated to shows one water well within a 10,00 from the proposed location. It production at this site is the Uinta Formation at the sandstones are most sandstones.	be at a depth of 4,100'. A search of Division of Water Rights records 00 foot radius of the center of section 11. This well is approximately 1 mile uces from a depth of 1390' and is listed as mining use. The surface ormation. The Uinta Formation is made up of interbedded shales and stly lenticular and discontinuous and should not be a significant source of easing cement should be brought to above the base of the moderately saline orm fresher waters uphole.
Reviewer: Brad 1	Hill Date: 08/28/03
Surface:	
	face was performed on 8/27/03. Floyd Bartlett with DWR and Ed Bonner with ation on 8/20/03. Mr. Bartlett was present. He had no concerns regarding the
	rilling of the well. This site is on State surface, and appears to be the best site
	A lease road and a surface gas pipeline both cross this site and both will be re-
	e location. Mr. Bartlett presented Mr. Estes with a reclamation seed mix
recommended for this area.	100ation. 1711. Buttlett presented 1711. Estes with a recialitation seed link
TO CAMPAGE AND MAIN WAY	
Reviewer: David W	V. Hackford

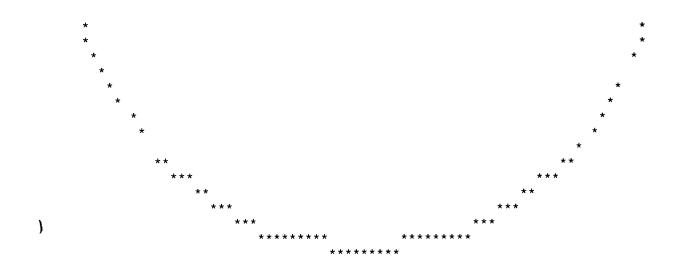
Conditions of Approval/Application for Permit to Drill:

1. A 20 mil synthetic liner and felt sub-liner will be required for the reserve pit.

UTAH DIVISION OF WATER RIGHTS WATER RIGHT POINT OF DIVERSION PLOT CREATED THU, AUG 28, 2003, 8:49 AM PLOT SHOWS LOCATION OF 1 POINTS OF DIVERSION

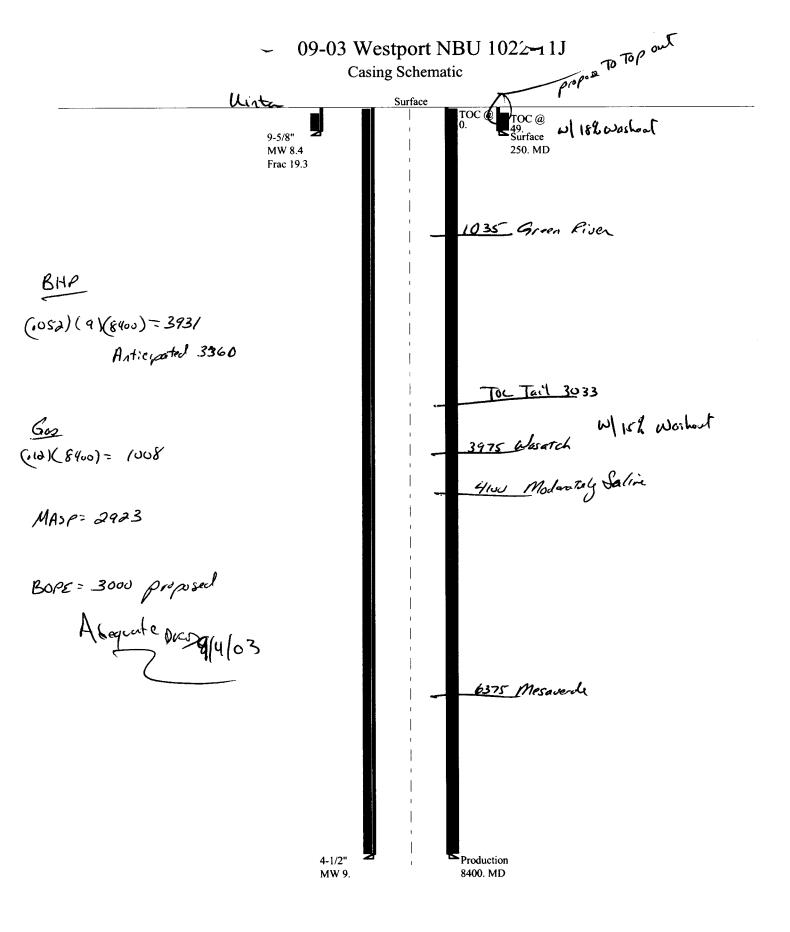
PLOT OF AN AREA WITH A RADIUS OF 10000 FEET FROM A POINT FEET, FEET OF THE CT CORNER, SECTION 11 TOWNSHIP 10S RANGE 22E SL BASE AND MERIDIAN

PLOT SCALE IS APPROXIMATELY 1 INCH = 4000 FEET



UTAH DIVISION OF WATER RIGHTS
NWPLAT POINT OF DIVERSION LOCATION PROGRAM

\	MAP CHAR	WATER RIGHT		CFS	QUANTITY AND/OR	AC-FT	SOURCE DES	SCRIPTION DEPTH	or WELL INF YEAR LOG	O NOR		NT (ON DI	ESCRIP'	rion RNG B&	c.
	0 4	9 353	WATER	.4000 USE(S)	: MINING	.00 OTHER	7	1390		S	2128	E	2313		12 DRITY	10S DATE:	22E S	-
			Tosco					10100 San	ta Monica B	lvd				I	Los Ai	ngeles		



Well name:

09-03 Westport NBU 1022-11J

Operator:

Westport Oil and Gas

String type:

Surface

Location:

Uintah County

Project ID:

43-047-35146

Environment: Minimum design factors:

Collapse

Mud weight: Design is based on evacuated pipe.

Design parameters:

8.300 ppg

Collapse: Design factor

1.125

H2S considered?

Surface temperature: Bottom hole temperature:

75 °F 78 °F

No

Temperature gradient:

1.40 °F/100ft

Minimum section length:

Non-directional string.

250 ft

Burst:

Design factor

1.00

Cement top:

49 ft

Burst

Max anticipated surface

No backup mud specified.

pressure: Internal gradient: Calculated BHP

220 psi 0.120 psi/ft 250 psi

Tension:

8 Round STC: 8 Round LTC: **Buttress:**

Neutral point:

Premium: Body yield:

Tension is based on buoyed weight.

1.80 (J) 1.80 (J) 1.60 (J)

1.50 (J) 1.50 (B)

220 ft

Re subsequent strings:

Next setting depth: Next mud weight: Next setting BHP:

8,400 ft 9.000 ppg 3,927 psi 19.250 ppg

Fracture mud wt: Fracture depth: Injection pressure

250 ft 250 psi

Run Seq	Segment Length (ft) 250	Size (in) 9.625 /	Nominal Weight (lbs/ft) 32.30	Grade H-40 ^	End Finish ST&C	True Vert Depth (ft) 250	Measured Depth (ft) 250	Drift Diameter (in) 8.876	Internal Capacity (ft³) 15.8
Run Seq	Collapse Load (psi) 108	Collapse Strength (psi) 1370	Collapse Design Factor 12.710 <	Burst Load (psi) 250	Burst Strength (psi) 2270	Burst Design Factor 9.08	Tension Load (Kips) 7	Tension Strength (Kips) 254	Tension Design Factor 35.82 J

Prepared

by:

Clinton Dworshak

Utah Div. of Oil & Mining

Phone: 801-538-5280 FAX: 801-359-3940

Date: September 2,2003 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 250 ft, a mud weight of 8.3 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:

09-03 Westport NBU 1022-11J

Operator:

Westport Oil and Gas

String type:

Production

Project ID: 43-047-35146

Location:

Collapse

Uintah County

Minimum design factors:

Environment:

H2S considered?

No

Mud weight: 9.000 ppg Design is based on evacuated pipe.

Collapse: Design factor 1.125

Surface temperature: Bottom hole temperature:

75 °F 193 °F

Temperature gradient: Minimum section length: 1,500 ft

1.40 °F/100ft

Burst:

Design factor

1.00 Cement top: Surface

Burst

Max anticipated surface

No backup mud specified.

pressure: Internal gradient: Calculated BHP

Design parameters:

2,919 psi 0.120 psi/ft

3,927 psi

Tension:

8 Round STC: 8 Round LTC:

Buttress: Premium:

Body yield:

1.60 (J) 1.50 (J) 1.50 (B)

1.80 (J) 1.80 (J)

Tension is based on buoyed weight. Neutral point: 7,270 ft

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	internal Capacity (ft³)
2	2000	4.5	11.60	M-80 /	LT&C	2000	2000	3.875	46.4
1	6400	4.5 <	11.60	J-55 /	LT&C	8400	8400	3.875	148.3
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
2 1	935 3927	5817 4960	6.221 / 1.263 /	3159 3927	7780 5350	2.46 <i>(</i> 1.36 <i>(</i>	84 61	267 162	3.17 B / 2.65 J

Prepared by: Clinton Dworshak

Utah Div. of Oil & Mining

Phone: 801-538-5280

FAX: 801-359-3940

Date: September 2,2003 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 8400 ft, a mud weight of 9 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

From:

Ed Bonner

To:

Mason, Diana

Date:

9/2/03 4:53PM

Subject:

Well Clearances

The following wells have been given cultural resource clearance by the Trust Lands Cultural Resources Group:

Westport Oil & Gas NBU 1022-11J

Dominion Exploration

RBU 2-16E One significant site north of location which must be avoided

If you have any questions regarding this matter please give me a call.

CC:

Garrison, LaVonne; Hill, Brad; Hunt, Gil



State of Utah DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt Governor Robert L. Morgan Executive Director Lowell P. Braxton Division Director 1594 West North Temple, Suite 1210 PO Box 145801 Salt Lake City, Utah 84114-5801 (801) 538-5340 telephone (801) 359-3940 fax (801) 538-7223 TTY www.nr.utah.gov

September 4, 2003

Westport Oil & Gas Company P O Box 1148 Vernal, UT 84078

Re: Natural Buttes Unit 1022-11J Well, 1980' FSL, 2103' FEL, NW SE, Sec. 11, T. 10 South,

R. 22 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-35146.

7

John R. Baza Associate Director

pab Enclosures

cc:

Uintah County Assessor

SITLA



Operator:	Westport Oil & Gas Company	
Well Name & Number	Natural Buttes Unit 1022-11J	
API Number:	43-047-35146	
Lease:	U-1197-A-ST	

Location: NW SE Sec. 11 T. 10 South R. 22 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.
- 5. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

Page 2 Conditions of Approval API# 43-047-35146 September 4, 2003

- 6. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)
- 7. Surface casing shall be cemented to the surface.

Form 9

005

Type of Well Oil Well

Name of Operator

X Gas Well

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

Other (specify)

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT -- for such proposals

•	4
	C. J Decisionalism and Carin Niverbay
	6. Lease Designation and Serial Number
_	U-1197-A-ST
	7. Indian Allottee or Tribe Name
	Unit or Communitization Agreement
	NATURAL BUTTES UNIT
	9. Well Name and Number
	NBU 1022-11J
	10. API Well Number
	43-047-35146
	11. Field and Pool, or Wildcat
	NATURAL BUTTES
:	UINTAH
:	UTAH
	, REPORT, OR OTHER DATA
E	SSEQUENT REPORT
t	omit Original Form Only)

WE	STPORT OIL & GAS COMPANY, L	Р.				43-047-35146			
3.	Address of Operator		4.	Telephone Numb	per 11	11. Field and Pool, or Wildcat			
P.O	. BOX 1148, VERNAL, UTAH 84078			(435)781-7060)	NAT	URAL BUTTES		
5.	Location of Well								
	Footage : 1980' FSL 2103	'FEL		Cour	nty:UN	HATV			
	QQ, Sec, T., R., M : NWSE SECTIO	N 11-10S-22E		State	• : UT	AH			
12.	CHECK APPROPRIATE E	OXES TO INDICATE	NA	TURE OF NOT	ΓICE, RI	EPORT, O	R OTHER DATA		
	NOTICE OF INTEN	Т			SUBSE	QUENT RE	PORT		
	(Submit in Duplicate)			(Submit	Original Form	ı Only)		
	Abandonment	New Construction		Abandoni	ment *		New Construction		
	Casing Repair	Pull or Alter Casing		Casing R	tepair		Pull or Alter Casing		
X	Change of Plans	Recompletion		Change of	of Plans		Shoot or Acidize		
	Conversion to Injection	Shoot or Acidize		Conversion	on to Injec	tion	Vent or Flare		
	Fracture Treat	Vent or Flare		Fracture	Treat		Water Shut-Off		
	Multiple Completion	Water Shut-Off		Other					
	Other								
			Date of Work Completion						
Арр	roximate Date Work Will Start								
				•			completions to different reservoirs		
				on WELL COMPLE					
				* Must be accor		·			
13.	13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)								
OP	OPERATOR REQUESTS TO AMEND THE CURRENT DRILLING PROGRAM: SURFACE CASING								
	2000' PLEASE REFER TO THE AT						TS.		

14.	i nereby	certify	tnat tne	toregoing	IS	true	and	correct	Ĺ.

DATE: (

Title SR ADMIN ASSIST 10/03/03 DEBRA DOMENICI Date Name & Signature

(State Use Only)

(8/90)

OF UTAH DIVISION OF OIL, GAS, AND MINING

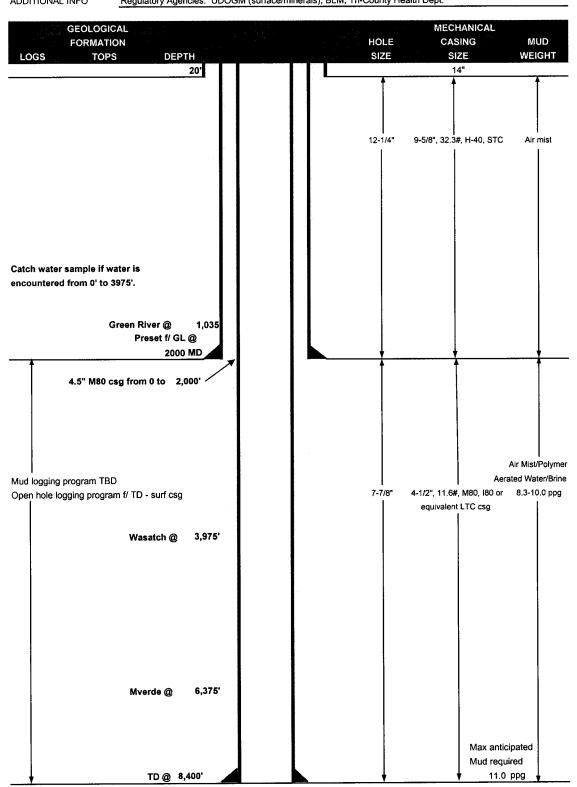
OCT 0 8 2003

RECEVED



Westport Oil and Gas Company, L.P. DRILLING PROGRAM

Westport Oil and Gas Co., L.P. DATE October 2, 2003 COMPANY NAME NBU 1022-11J 8,400' MD/TVD TD WELL NAME KB 5,090' ELEVATION 5,075' GL COUNTY Uintah STATE Utah FIELD Natural Buttes 1980' FSL, 2103' FEL, NWSE, SEC. 11, T10S, R22E BHL Straight Hole SURFACE LOCATION OBJECTIVE ZONE(S) Wasatch/Mesaverde Regulatory Agencies: UDOGM (surface/minerals), BLM, Tri-County Health Dept. ADDITIONAL INFO





CASING PROGRAM

							E	ESIGN FACTO	ORS
	SIZE	INTER'	VAL	WT.	GR.	CPLG.	BURST	COLLAPSE	TENSION
CONDUCTOR	16"	0-20	0-20'						
							2270	1370	254000
SURFACE	9-5/8"	0 to	2000	32.30	H-40	STC	0.77****	1.58	4.49
•							7780	6350	201000
PRODUCTION	4-1/2"	0 to	2000	11.60	M-80	LTC	2.63	1.73	2.36
							5350	4960	162000
PRODUCTION	4-1/2"	2000 to	8400	11.60	J-55	LTC	1.58	1.03	2.50

- 1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)
- 2) MASP (Prod Casing) = Pore Pressure at TD (.22 psi/ft-partial evac gradient x TD)

(Burst Assumptions: TD =

11.0 ppg)

.22 psi/ft = gradient for partially evac wellbore

(Collapse Assumption: Fully Evacuated Casing, Max MW)

(Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

******** Burst SF is low but csg is much stronger than formation at 2000! EMW @ 2000' for 2270# is 21.8 ppg or 1.13 psl/ft

CEMENT PROGRAM

	FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE LEAD	500	Premium cmt + 2% CaCl	215	60%	15.60	1.18
		+ .25 pps flocele				
TOP OUT CMT (1	200	20 gals sodium silicate + Premium cmt	50		15.60	1.18
		+ 2% CaCl + .25 pps flocele				
TOP OUT CMT (2	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION LEAD	3,470'	Premium Lite II + 3% KCl + 0.25 pps	360	60%	11.00	3.38
		celloflake + 5 pps gilsonite + 10% gel				
		+ 0.5% extender				
TAIL	4,930'	50/50 Poz/G + 10% salt + 2% gel	1380	60%	14.30	1.31
		, -				

^{*}Substitute caliper hole volume plus 15% excess if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.							
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.							

ADDITIONAL INFORMATION

Test casing head to 750 psi a	fter installing.	Test surface casing to 1,	500 psi prior to drilling out.

BOPE: 11* 3M with one annular and 2 rams. Test to 3,000 psi (annular to 1,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves. Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

DRILLING ENGINEER:		DATE:
BRILLING ENGINEER	Brad Laney	

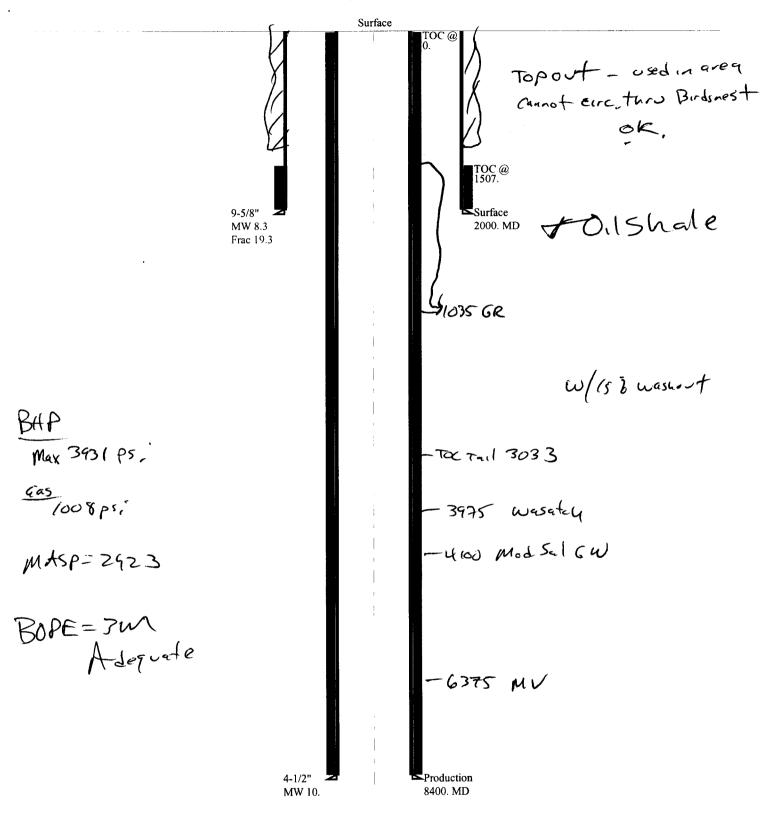
DRILLING SUPERINTENDENT:

DATE: ___

Randy Bayne

_ 10-03 Westport NBU 1022-_Jrev.

Casing Schematic



Well name:

10-03 Westport NBU 1022-11Jrev.

Operator:

Westport Oil and Gas Company

String type:

Production

Project ID: 43-047-35146

Location:

Uintah County

Design	parameters:
Dealail	parameters.

Collapse

Mud weight:

10.000 ppg Design is based on evacuated pipe.

Minimum design factors:

Collapse: Design factor

1.125

Environment:

H2S considered? No 65 °F Surface temperature: 183 °F Bottom hole temperature:

1.40 °F/100ft Temperature gradient: Minimum section length: 368 ft

Burst:

Design factor

1.00

Cement top:

Non-directional string.

Surface

Burst

Max anticipated surface

pressure: Internal gradient: Calculated BHP

2,516 psi 0.220 psi/ft 4,364 psi

No backup mud specified.

Tension:

8 Round STC: 8 Round LTC: **Buttress:**

Premium: Body yield: 1.60 (J) 1.50 (J) 1.50 (B)

1.80 (J)

1.80 (J)

Tension is based on buoyed weight. 7,144 ft Neutral point:

Force applied: Depth applied: 50,000.0 Kips 0 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (Ibs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	8400	4.5	11.60	M-80	LT&C	8400	8400	3.875	194.7
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	4364	6350	1.46	4364	7780	1.78	83	267	3.22 B

Prepared

Dustin Doucet

Utah Dept. of Natural Resources

Phone: 801-538-5281

FAX: 801-359-3940

Date: October 16,2003 Salt Lake City, Utah

ENGINEERING STIPULATIONS: Surface casing cemented to surface; Oil shale-190-5(B)

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Collapse is based on a vertical depth of 8400 ft, a mud weight of 10 ppg. The casing is considered to be evacuated for collapse purposes. Burst strength is not adjusted for tension.

Well name:

10-03 Westport NBU 1022-11Jrev.

Operator:

Westport Oil and Gas Company

String type:

Surface

Project ID:

43-047-35146

Uintah County Location:

Design parameters:

Collapse Mud weight: 8.330 ppg Design is based on evacuated pipe.

Collapse: Design factor

1.125

1.50 (B)

Environment: H2S considered?

65 °F Surface temperature: 93 °F Bottom hole temperature: 1.40 °F/100ft Temperature gradient:

Minimum section length: 200 ft

Burst:

Design factor

Minimum design factors:

1.00 Cement top: 1,507 ft

No

Burst

Max anticipated surface

pressure: 0 psi Internal gradient: 0.519 psi/ft Calculated BHP 1,039 psi

No backup mud specified.

Tension:

Body yield:

1.80 (J) 8 Round STC: 1.80 (J) 8 Round LTC: 1.60 (J) **Buttress:** Premium: 1.50 (J)

Tension is based on air weight. Neutral point: 1.755 ft Non-directional string.

Re subsequent strings:

Next setting depth: 8,400 ft Next mud weight: 10.000 ppg Next setting BHP: 4,364 psi 19.250 ppg Fracture mud wt: Fracture depth: 2,000 ft Injection pressure 2,000 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	2000	9.625	32.30	H-40	ST&C	2000	2000	8.876	126.8
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	865	1370	1.58	1039	2270	2.18	65	254	3.93 J

Dustin Doucet Prepared

Utah Dept. of Natural Resources by:

Phone: 801-538-5281

FAX: 801-359-3940

Date: October 16,2003 Salt Lake City, Utah

ENGINEERING STIPULATIONS: Surface casing cemented to surface; Oil shale-190-5(B)

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Collapse is based on a vertical depth of 2000 ft, a mud weight of 8.33 ppg. The casing is considered to be evacuated for collapse purposes. Burst strength is not adjusted for tension.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Com	pany:	WESTPOR	r oil & c	GAS COM	PANY L	<u>P</u>
Well Name:		_NBU 1022-1	<u>1J</u>			
Api No:	43-047-3514	6	_Lease Ty _l	pe:S	TATE	
Section_11	Township	10S Range	22E (County	UINTA	H
Drilling Contr	actor	PETE MART	IN	RIG	# <u>B</u> 1	UCKET
	Date	08/15/04 6:00 AM				
	How	DRY				
Drilling will	commend	ce:				
Reported by_	Mile Se	RON SJOSTR	OM			
Telephone #_		1-435-828-098	32			
Date <u>08/</u>	/23/2004	Signed		CHD		

OPERATOR ACCT. NO. N

2115

OF UTAH DN OF OIL, GAS AND MENENG ITY ACTION FORM - FORM 6

OPERATOR WESTPORT O&G COMPANY L.P. **ADDRESS** 1368 SOUTH 1200 EAST VBRNAL, UTAH 84078

	STATE DIVISIO ENTI
٠ <u>.</u>	ACTI COL
V	P
	WELL MIRU SPUD ACTA COD
	ACTA
FAX NO. 4357817094	6
3578 0	WELL MIRU SPUD ACTK COD
4	SPUD
≥ ×	ACTK
FA	WELL MIRU SPUD ACTK COD
	WELL
	MIRU SPUD
8	ACTIO
PASO PRODUCTION	WELL MIRU SPUD ACTK COD
PRO .	WELL
02	MIRU Spud
_ P£	ACTK
日日	500
Æ	

AUG-17-2004 TUE 09:12

-									_					
	CTION	CURRENT	NEW	API NUMBER	WELL NAME	T		WELL	OCATION		SPUD	CECCOTE SE	1	
	CODE	ENTITY NO.	ENTITY NO.			QQ	SC	TP	RG	COUNTY	DATE	EFFECTIVE		
	Δ									COORT	LANIE	DATE	}	
	8	99999	2900	43-047-35314	NBU 1022-11F	SENW	11	108	22E	UINTAH	8/16/2004	8/30/04	14	
		OMMENTS:		mUR	D							17077		
			BUCKET RIG	, ,										
12 P	CTION	BLL LOCATIO	ON ON 8/16/04											
	CODE	CURRENT ENTITY NO.	NEW Entry No.	API NUMBER	WELL NAME				CATION		SPUD	EFFECTIVE	1	
一		ENTITIO.	ENTIST NO.	 		QQ	\$C	TP	RG	COUNTY	DATE	DATE		
	B	99999	2900	43-047-35821	NBU 436X	SWNB	30	98	21B	UINTAH	8/13/2004	8/31/04		
3		DMMENTS:		INSMIL	Status still"NI	- 1 "					0/13/2004	9/21/09	T	
		TE MARTIN			Status sum Mi		pun	itro	ri is	sued yet	ER 8/18/	n4		
			ON ON 8/13/04	AT 1 PM.			'			U	a 2/10/	- 1	EIVED	2904
	CTION	CURRENT	NEW	API NUMBER	WELL NAME	1		WELLLO	CATION		SPUD	EFFECTIVE		R
Ľ	CODE	ENTITY NO.	ЕНПТУ КО.			QQ	SC	TP	RG	COUNTY	DATE	DATE		_
	B		00.0			:			A	***********			Н. Щ.	•
_		99999	2900	43-047-35146	NBU 1022-11J	NWSB	11	108	22E	UINTAH	8/15/2004	8/18/04		AUG
		DMMENTS:		muk	, V						W 13/2004	110/04	出	A
		TE MARTIN		•									<u> </u>	
SP	UD WI	ELL LOCATIO		AT 1200 HRS.										
	CTION	CURRENT	NEW	API NUMBER	WELL NAME		WELL LOCATION SPUD BET							
╁	~~ <u>~</u>	ENTITY NO.	ENTITY NO.			QQ	SC	ŢΡ	RG	COUNTY	DATE	DATE		
	6	99999	2900	43-047-3515)	NBU 1022-11I								1./	
L		DAMENTS:	0, 100	<u> </u>	the state of the s	NESE	11	108	22B	HATMIO	8/17/2004	8/30/04	K_	
		TB MARTIN I	או וריורוזיד פינת	וע מד	ED					······································			•	
			ON ON 8/17/04	•										
	CTION	CURRENT	NEW NEW	API NUMBER	WELL NAME									
	CODE	ENTITY NO.	ENTITY NO.	ST. HOURTEU	TICL NAME	00	- 00 1	WELL LO			SPUD	EFFECTIVE		
Г						QQ	SC	TP	RG	COUNTY	DATE	DATE		
						 	ł							
WE	LL S CC	MMENTS:												
												Ī	Æ	ي (
L												1	印	
AC1	TION CO	ODES (See inst	ructions on back	of form)		· · · · · · · · · · · · · · · · · · ·				177 1				> '7

- A Establish new entity for new well (single well only)
- B Add new well to existing entity (group or unit well)
- C Re-assign well from one existing entity to another existing
- D Re-assign well from one existing entity to a new entity
- E Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code w (3/89)

Post-it ^o Fax Note 7671	Date # of pages ►
TO ELEME RUCCII	From Stala Upattern
Co/Depl. UTWAM	CHURTIALT OILIGER COLF
Phone (991) 5385336	Phone # 1853 781-7024
Fax * (801) 359-3940	Fax (435) 791-7094

REGULATORY ANALYST 08/17/04

³hone No.

(435) 781-7024

ALIE: 11/7

DIV. OF CE., CAS & SANSE

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

0 0 7 DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: U-1197-A-ST				
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:				
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT OF CA AGREEMENT NAME: NATURAL BUTTES UNIT				
1. TYPE OF WELL OIL WELL GAS WELL OTHER	8. WELL NAME and NUMBER: NBU 1022-11J				
2. NAME OF OPERATOR: WESTPORT OIL & GAS COMPANY L.P.	9. API NUMBER: 4304735146				
3. ADDRESS OF OPERATOR: 1368 S 1200 E CITY VERNAL STATE UT ZIP 84078 PHONE NUMBER: (435) 781-7024	10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES				
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1980'FSL & 2103'FEL	COUNTY: UINTAH				
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSE 11 10S 22E	STATE: UTAH				
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA				
TYPE OF SUBMISSION TYPE OF ACTION					
NOTICE OF INTENT	REPERFORATE CURRENT FORMATION				
(Submit in Duplicate) ALTER CASING FRACTURE TREAT	SIDETRACK TO REPAIR WELL				
Approximate date work will start: CASING REPAIR NEW CONSTRUCTION	TEMPORARILY ABANDON				
CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	TUBING REPAIR				
CHANGE TUBING PLUG AND ABANDON	VENT OR FLARE				
SUBSEQUENT REPORT (Submit Original Form Only) CHANGE WELL NAME PLUG BACK	WATER DISPOSAL				
Date of work completion:	WATER SHUT-OFF				
2/15/2004 COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE	✓ OTHER: WELL SPUD				
CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION					
DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volume MIRU JR'S RATHOLE DRILLING. DRILLED 12 1/4" SURFACE HOLE TO 1825'. 9 5/8" 32 PMP 130 BBLS WATER. MIX & PMP 30 BBLS GEL PRE FLUSH. PMP 170 SX (35.7 BBL YIELD 1.18 W/2% CACL2. DROP PLUG ON FLY DISP W/140.2 BBLS WATER. BUMP PL PRESSURE TO 800 PSI RELEASE PRESS FLOATS HELD. RETURNS. TOP JOB #1 PM ANNULAS 100 SX CLASS G @15.6 4% CACL2 NO RETURNS. MIX & PMP 180 SX CLASS W/4% CACL2. CMT TO SURFACE. HOLE STAYED FULL. SPUD WELL LOCATION ON 8/15/04 AT 1200 HRS.	.3# H-40 STC CSG. S) G CMT @15.6 .UG W/220 PSI. IP DOWN				
NAME (PLEASE PRIME) SHEILA UPCHEGO	ANALYST				

(This space for State use only)

RECEIVED

AUG 3 0 2004

DATE 8/19/2004

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL GAS AND MINING

			DEF	PARTMENT OF NATURAL RESOUR	CES	;					
0 (9	1			SE DESIGNATION AND SERIAL NUMBER:						
_		SUNDRY	N	OTICES AND REPORTS	0	N WELI	LS	6. IF II	NDIAN, ALLOTTEE OR TRIBE NAME:		
	Do r	not use this form for proposals to drill ne	ew we	ells, significantly deepen existing wells below cum	ent bo	ttom-hole depth	n, reenter plugged wells, or to		T OF CA AGREEMENT NAME: TURAL BUTTES UNIT		
_	1 TV	drill horizontal lat (PE OF WELL	terals.	Use APPLICATION FOR PERMIT TO DRILL TO GAS WELL OTHER	m for	such proposali	B		LL NAME and NUMBER:		
	1	OIL WELL	NBU 1022-11J								
	2. N/	AME OF OPERATOR:	9. API NUMBER:								
	WE	ESTPORT OIL & GAS C	4304735146								
_		ODRESS OF OPERATOR:	. VE	RNAL STATE UT ZIP	340		PHONE NUMBER: (435) 781-7024		ELD AND POOL, OR WILDCAT: TURAL BUTTES		
-		OCATION OF WELL		STATE - ZIP			(1117)				
		DOTAGES AT SURFACE: 1980'F	SL	& 2103'FEL				COUN	TY: UINTAH		
	OTRACTIC SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSE 11 10S 22E STATE:										
	QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSE 11 10S 22E STATE: UTAH										
_	11.	CHECK APPR	ROF	PRIATE BOXES TO INDICAT	E N	ATURE (OF NOTICE, REPOR	RT, O	R OTHER DATA		
_		TYPE OF SUBMISSION				TY	PE OF ACTION				
_	$\overline{}$			ACIDIZE		DEEPEN			REPERFORATE CURRENT FORMATION		
1	ш	NOTICE OF INTENT (Submit in Duplicate)	厅	ALTER CASING	П	FRACTURE	TREAT		SIDETRACK TO REPAIR WELL		
		Approximate date work will start:		CASING REPAIR	$\overline{\Box}$	NEW CONST	TRUCTION	\Box	TEMPORARILY ABANDON		
				CHANGE TO PREVIOUS PLANS	吕	OPERATOR		H	TUBING REPAIR		
			片	4					VENT OR FLARE		
			ഥ	CHANGE TUBING	닏	PLUG AND A		님			
	✓	SUBSEQUENT REPORT (Submit Original Form Only)		CHANGE WELL NAME		PLUG BACK		닏	WATER DISPOSAL		
		Date of work completion:		CHANGE WELL STATUS	Ш	PRODUCTIO	N (START/RESUME)		WATER SHUT-OFF		
		·		COMMINGLE PRODUCING FORMATIONS		RECLAMATI	ON OF WELL SITE	\checkmark			
		10/25/2004		CONVERT WELL TYPE		RECOMPLET	TE - DIFFERENT FORMATION		OPERATIONS		
	12.	DESCRIBE PROPOSED OR CO	MPL	LETED OPERATIONS. Clearly show all p	ertine	nt details inc	luding dates, depths, volume	es, etc.			
ĸî	FI	NISHED DRILLING FRO	MC	1825' TO 8050'. RAN 4 1/2"	11.0	6# I-80 L	TC CSG. CMT W/2	0 SX	SCAVENGER @10.5 PPG		
			W/4	408 SX PREM LITE II @11.7	770	2.59 Y II	ELD. TAILED CMT	VV/12	82 SX 50/50 PO2 @ 14.3		
		PG 1.31 YIELD. OATS HELD GOOD OF	BC.	THROUGH OUT JOB W/19 E	RRI	S CMT T	O PIT NOROPE S	FT C	SG SLIPS W/80.000# CUT		
		FF CSG. CLEAN MUD 1			,UL	O OMIT I	OTH. NDDOLEO		00 0211 0 11700,000,7 00 1		
	•										
	RE	ELEASED CAZA 81 ON	10/	/25/04 AT 2300 HRS.							
250											
_		<u> </u>									
		SHEILA U	ופר	HEGO			REGULATORY A	NAI '	YST		
	NAM	IE (PLEASE PRINT)				TITL	E				
	~~	MATIBE ////		1 Mmilion	7	DATI	_E 10/25/2004				
	SIG	NATURE // // //									

(This space for State use only)

RECEIVED NOV 0 2 2004

FORM 9

STATE OF UTAH

040	DEPARTMENT OF NATURAL RESOLUTION OF OIL, GAS AND M			5. LEASE DESIGNATION AND SERIAL NUMBER:
010				U-1197-A-ST
SUNDRY	NOTICES AND REPORT	S ON WEL	.LS	O. IF MUMIN, ACCOUNTS
Do not use this form for proposals to drill n drill horizontal la	new wolls, significantly deepen existing wells below of aterals. Use APPLICATION FOR PERMIT TO DRILL	urrent bottom-hole de. form for such propos	oth, reenter plugged wells, or to als.	7. UNIT OF CA AGREEMENT NAME: NATURAL BUTTES UNIT
1 TYPE OF WELL OIL WELL	GAS WELL OTHER			8. WELL NAME and NUMBER: NBU 1022-11J
2 NAME OF OPERATOR: WESTPORT OIL & GAS O	COMPANY L.P.			9. API NUMBER: 4304735146
3 ADDRESS OF OPERATOR: 1368 S. 1200 E.	VERNAL STATE UT 2	84078	PHONE NUMBER: (435) 781-7024	10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL	Y TELLON E	,	1	:
FOOTAGES AT SURFACE: 1980'F	SL & 2103'FEL			COUNTY: UINTAH
GTR/GTR. SECTION. TOWNSHIP, RAN	IGE, MERIDIAN: NWSE 11 10S	22E		STATE: UTAH
11 CHECK APPI	ROPRIATE BOXES TO INDICA	TE NATURE	OF NOTICE, REPO	ORT, OR OTHER DATA
TYPE OF SUBMISSION			YPE OF ACTION	
NOTICE OF INTENT	ACIDIZE	DEEPEN		REPERFORATE CURRENT FORMATION
(Submit in Duplicate)	ALTER CASING	FRACTUR		SIDETRACKTO REPAIR WELL
Approximate date work wif start	CASING REPAIR	Ll	STRUCTION	TEMPORARILY ABANDON
	CHANGE TO PREVIOUS PLANS		R CHANGE	TUBING REPAIR
	CHANGE TUBING		ABANDON	VENT OR FLARE
SUBSEQUENT REPORT (Submit Original Form Only)	CHANGE WELL NAME	PLUG BAC		WATER DISPOSAL WATER SHUT-OFF
Date of work completion:	CHANGE WELL STATUS		TION (START/RESUME)	OTHER: PRODUCTION
11/14/2004	COMMINGLE PRODUCING FORMATION		ETE - DIFFERENT FORMATION	STARTILIE
40 DECORRES 00000000 00 0	CONVERT WELL TYPE OMPLETED OPERATIONS. Clearly show a			
THE SUBJECT WELL LC	CATION WAS PLACED ON PR	KODOCTION	ON 11/14/04 A1 11	AWI.
PLEASE REFER TO THE	E ATTACHED CHRONOLOGIC	AL WELL HIS	TORY.	
				RECEIVED
				NOV 2 4 2004
				DIV. OF OIL, GAS & MINING
NAME (CLEASE DOUG. SHEILA U	UPCHEGO	TI	TLE REGULATORY	ANALYST
NAME (PLEASE PRINT) STILLER	Vinellam		11/15/2004	
SIGNATURE ////	14(11/1/1)	D.	ATE 11/15/2004	

(This space for State use only)

A. 4.	STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES											AMENDED REPORT FORM 8 (highlight changes)						
A 4 4		_			FOIL,								5. LEASE DESIGNATION AND SERIAL NUMBER:					
011													U-1197-A-ST 6. IF INDIAN, ALLOTTEE OR TRIBE NAME					
WELI	L COMP	PLETI	ON	OR F	RECO	MPL	ETIO	N RE	POR	TANE	LOG	6. 11	INDIAN	, ALLO	I I EE OI	KIRIB	ENAME	
1a. TYPE OF WELL:		OIL	ı. C] {	GAS Z]	DRY [OTHE	R			NIT or C					
b. TYPE OF WORK	··					_						NATURAL BUTTES UNIT 8. WELL NAME and NUMBER:						
NEW [7]	HORIZ.	DEI EN	EP-]	RE- ENTRY]	DIFF. RESVR.		ОТНЕ	R		_ 1	NBU 1022-11J					
2. NAME OF OPERA WESTPOR		GAS	COM	PANY	ΙP								9. API NUMBER: 4304735146					
3. ADDRESS OF OP		0/10 (7,1141							NUMBER:	10 F	IELD AN	D POO	L, OR W			
1368 S. 120			ry VE	RNAL		STATE	UT	zip 84 0	78	(43	5) 781-7024		NATU					
4. LOCATION OF W AT SURFACE:			03'FE	= L								1					HIP, RANGE	•
												N	NSE	11	10)S 2	22E	
AT TOP PRODU	CING INTERVA	AL REPOR	TED BE	LOW:								12 (COUNTY	,		13	S STATE	
AT TOTAL DEPT	H:												JINTA					JTAH
14. DATE SPUDDED 8/15/2004		DATE T.I			16. DATE	4/200		Α	BANDONE		READY TO PRODU	CE 🔽		vatic 076′	ONS (DF.	, RKB,	RT, GL):	
18. TOTAL DEPTH:					BACK T.D				20. IF M	IULTIPLE CO	OMPLETIONS, HOW	MANY?*	21. DE	PTH BI	RIDGE	MD		
	TVD					TVD	. (000							LUGS	EI:	TVD		
22. TYPE ELECTRIC	AND OTHER	MECHANI	ICAL LO	GS RUN (Submit cop	y of each)			23. WAS WEI	L CORED?	NO	[7]	YES [- 1	(Subm	it analysis)	
CBL-CCL-G	CBL-CCL-GR, HRT/MICROLOG; SD/OSN WAS WELL CORED? WAS DST RUN?								NO		YES [-	it report)				
										DIRECTIO	NAL SURVEY?	NO	 ✓	YES		(Subm	it copy)	
24. CASING AND LI	NER RECORD	(Report a	II string	gs set in w	veli)						CEMENT TYPE &	T 0111	DDV	_			T	
HOLE SIZE	SIZE/GRA	DE \	WEIGH	T (#/ft.)	TOP (TOP (MD) BOTTOM (MD) STAGE CEMENTER CEMENT TYPE & NO. OF SACKS				VOLUM	RRY E (BBL)	CE	MENT T	OP **	AMOUNT	PULLED		
12 1/4	9 5/8 H	l -4 0	32.	.3#			1,8	25			450							
7 7/8	4 1/2	-80	11.	.6#			8,0)50			1710			<u> </u>			ļ	
												<u> </u>		╄				
						-						-		+-			<u> </u>	
							<u> </u>							+	-		ļ	
25. TUBING RECOR	L				<u> </u>		l		L		<u> </u>						<u> </u>	
SIZE	DEPTH S	ET (MD)	PAC	KER SET (MD)	SIZE		DEPTH	SET (MD)	PACKE	R SET (MD)	SIZE		DEPT	i SET (N	AD)	PACKER S	ET (MD)
2 3/8	7.3	61				_												
26. PRODUCING IN				Loore	DM (MED)	705	(T) (D)	вотто	M (TD/D)		RATION RECORD	ŞIZE	NO. HC	N EQ I	DE	PEOR	ATION STAT	115
(A) WASATC		TOP (+	ом (MD) 234	100	(TVD)	ВОПО	M (TVD)	5,032	6,234	0.34	52		Open		Squeezed	7
(B) MESAVE		6.5		+	965					6,505	7,965	0.35	17			=-	Squeezed [
(C)															Open		Squeezed [
(D)															Open		Squeezed [
28. ACID, FRACTU	RE, TREATME	NT, CEME	NT SQL	JEEZE, ET	c.								· · · · · · · · · · · · · · · · · · ·					
	INTERVAL										YPE OF MATERIAL							
5032'-6234'										20/40 SE 20/40 SE								
6505'-7965'			PIM	P /54	I BBLS	YFI	1001	x 993,	000# 2	:0/40 SL	-							
29. ENCLOSED AT	TACHMENTS:	:	L												30	. WELI	STATUS:	
<u> </u>								CEO! OC!	IC REPOR	- m	DST REPORT	T DIREC	CTIONAL	SURV	, _{EV} _			
=	RICAL/MECHA			D CEMEN	T VERIFIC	ATION	=	CORE AN			OTHER:		TOTAL		_ -	אל	DUC	ING
(5/2000)							(CO	NTINUI	ED ON E	BACK)	· · <u>· · · · · · · · · · · · · · · · · </u>		R	EC	CEI	VE	D	
													D	EC	13	200	4	

	DATE FIRST PRODUCED: TEST DATE:			HOURS TESTE	D:	TEST PRODUCTION	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:		
		11/24/2004			24	RATES: →	0	2,261	250	FLOWING		
18/64	TBG. PRESS. 985	CSG. PRESS 1,340	. API GRAVITY	/ BTU-GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF: 2,261	WATER - BBL: 250	PRODUCING		
*******				INT	ERVAL B (As sho	wn in Item #26)						
11/14/200		TEST DATE: 11/24/2	004	HOURS TESTE	D: 24	TEST PRODUCTION RATES: →	OIL – BBL:	GAS - MCF: 2,261	WATER - BBL: 250	PROD. METHOD: FLOWING		
18/64	TBG. PRESS. 985	CSG. PRESS	. API GRAVITY	/ BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS - MCF: 2,261	WATER - BBL: 250	PRODUCING		
10/04		1 .,	L	IN	TERVAL C (As sho	wn in item #26)	·			-		
DATE FIRST PRO	ODUCED:	TEST DATE:			HOURS TESTED:		OIL – BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:		
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS	i. API GRAVIT	Y BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:		
		1		IIN	ERVAL D (As sho	wn in item #26)				<u> </u>		
DATE FIRST PRODUCED: TEST DA		TEST DATE:	EST DATE:				OIL - BBL:	GAS MCF:	WATER - BBL:	PROD. METHOD:		
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS	API GRAVIT	Y BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS		
Show all importa	OF POROUS ZON nt zones of porosit sed, time tool ope	ty and contents		ervals and all drill-ste	m tests, including de	ì	4. FORMATION	(Log) MARKERS:				
Formatio	on	Top (MD)	Bottom (MD)	Descri	ptions, Contents, et	3 .		Name		Top (Measured Depth)		
WASATCI MESAVER		1,021 5,419	6,419	-								

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) SHEILA UPCHEGO
SIGNATURE SIGNATURE

TITLE REGULATORY ANALYST

DATE 12/7/2004

This report must be submitted within 30 days of

- completing or plugging a new well
- · drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

** ITEM 24: Cement Top -- Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to:

Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210

Box 145801

Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

ax: 801-359-3940

(5/2000)

^{*} ITEM 20: Show the number of completions if production is measured separately from two or more formations.

STATE OF UTAH	FORM 9					
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING	i	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01197-A-ST				
SUNDRY NOTICES AND REPORTS ON	I WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:				
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current botto drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for s		7. UNIT OF CA AGREEMENT NAME: NATURAL BUTTES UNIT				
1. TYPE OF WELL OIL WELL GAS WELL OTHER		8. WELL NAME and NUMBER: NBU 1022-11J				
2. NAME OF OPERATOR: WESTPORT OIL & GAS COMPANY L.P.		9. API NUMBER: 4304735146				
3. ADDRESS OF OPERATOR: 1368 S. 1200 E. CITY VERNAL STATE UT ZIP 8407	10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES					
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1980'FSL & 2103'FEL		COUNTY: UINTAH				
FOOTAGES AT SURFACE: 1900 FSL & 2103 FEL	COUNTY: UINTAM					
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSE 11 10S 22E		STATE: UTAH				
11. CHECK APPROPRIATE BOXES TO INDICATE NA	TURE OF NOTICE, REPO	RT, OR OTHER DATA				
TYPE OF SUBMISSION	TYPE OF ACTION					
NOTICE OF INTENT	DEEPEN	REPERFORATE CURRENT FORMATION				
	FRACTURE TREAT	SIDETRACK TO REPAIR WELL				
	NEW CONSTRUCTION	TEMPORARILY ABANDON				
	OPERATOR CHANGE	TUBING REPAIR				
	PLUG AND ABANDON	VENT OR FLARE				
SUBSEQUENT REPORT (Submit Original Form Only)	PLUG BACK	WATER DISPOSAL				
Date of work completion:	PRODUCTION (START/RESUME)	WATER SHUT-OFF				
	RECLAMATION OF WELL SITE	✓ OTHER: MAINTENANCE				
CONVERT WELL TYPE	RECOMPLETE - DIFFERENT FORMATION					
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent 12/08/05 PROG: 7:00 AM ROAD RIG & EQUIP F/VERNAL TO CONNECTOR & RIH. TAG TIGHT SPOT @ 5300'. RU HOT BE NOT FEEL TIGHT SPOT. CONT TO RIH. TAG HARD SCALE @ 7360'. CONT TO RIH. TAG PBTD @ 7964' (1' FILL ABOVE PER COULD NOT CIRC @ 7000'. PU TO 5000' STILL COULD NOT POOH WHILE CIRC N2. LD BHA. RU LINES TO FLWBACK TK	LOC. MIRU. PU 1.73" MILL EGIN TO PMP CONV @ .5 I @ 7350'. DRL ON SCALE FO RF'S). POOH SD HOT ATTI CIRC. POOH TO 3000'. WL	, MUD MOTOR. COIL BPM @ 2300#. CONT TO RIH. DID DR 2.5 HRS BROKE THROUGH @ EMPT TO BRK CIRC W/N2. . BEGAN TO CIRC. CONT TO				
NAME (PLEASE PRINT) SHEILA UPCHEGO	TITLE REGULATORY A	NALYST				
SIGNATURE // MULLINGUIS	DATE 1/10/2006					

(This space for State use only)

Later Carrier

Division of Oil, Gas and Mining OPERATOR CHANGE WORKSHEET

1. DJJ 2. CDW

X Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective	e:		1/6/2006					
FROM: (Old Operator):	TO: (Ne	w Operator):						
N2115-Westport Oil & Gas Co., LP			& Gas Onshor	e, LP				
1368 South 1200 East		1368 South 1200 East						
Vernal, UT 84078	V	Vernal, UT 84078						
Phone: 1-(435) 781-7024	Phone: 1-(Phone: 1-(435) 781-7024						
CA No.	Unit:		NATURAL BUTTES UNIT					
WELL NAME SEC TWN	RNG API NO	ENTITY NO	TYPE	WELL TYPE	WELL STATUS			
OPERATOR CHANGES DOCUMENTATION								
Enter date after each listed item is completed								
1. (R649-8-10) Sundry or legal documentation was received fr	om the FORME	R operator on:	5/10/2006					
2. (R649-8-10) Sundry or legal documentation was received fr	om the NEW ope	rator on:	5/10/2006					
3. The new company was checked on the Department of Com	nmerce, Division	of Corporatio	ns Database o	n:	3/7/2006			
4a. Is the new operator registered in the State of Utah:	YES Business N	Number:	1355743-018	1				
4b. If NO, the operator was contacted contacted on:								
5a. (R649-9-2)Waste Management Plan has been received on:	IN PLA	CE						
5b. Inspections of LA PA state/fee well sites complete on:	n/a	3 LA we	lls & all PA w	ells tran	sferred			
5c. Reports current for Production/Disposition & Sundries on:	ok							
6. Federal and Indian Lease Wells: The BLM and on	the BIA has a	pproved the	merger, nan	ne chan	ge,			
or operator change for all wells listed on Federal or Indian l	eases on:	BLM	3/27/2006	BIA	not yet			
7. Federal and Indian Units:	oton for walls lists		2/27/2006					
The BLM or BIA has approved the successor of unit oper. 8. Federal and Indian Communization Agreement		u on:	3/27/2006					
8. Federal and Indian Communization Agreement The BLM or BIA has approved the operator for all wells 1	• ,	on:	n/a					
	The Division has			fer of A	uthority to			
Inject, for the enhanced/secondary recovery unit/project for					•			
DATA ENTRY:					***			
1. Changes entered in the Oil and Gas Database on:	5/15/20	06						
2. Changes have been entered on the Monthly Operator Changes	~ .		5/15/2006					
3. Bond information entered in RBDMS on:	5/15/200							
4. Fee/State wells attached to bond in RBDMS on:5. Injection Projects to new operator in RBDMS on:	5/16/200	<u>06</u>						
5. Injection Projects to new operator in RBDMS on:6. Receipt of Acceptance of Drilling Procedures for APD/New		n/a	Name Chang	re Only				
BOND VERIFICATION:		11/ 4	1 tunic Chan	50 Omy				
Federal well(s) covered by Bond Number:	CO120	3						
2. Indian well(s) covered by Bond Number:	RLB0005							
3. (R649-3-1) The NEW operator of any fee well(s) listed cover			RLB0005236	<u>,</u>				
a. The FORMER operator has requested a release of liability fr	om their bond on:	n/a	rider added	KMG				
The Division sent response by letter on:			_					
LEASE INTEREST OWNER NOTIFICATION:								
4. (R649-2-10) The FORMER operator of the fee wells has been				Division				
of their responsibility to notify all interest owners of this cha	nge on:	5/16/200	6					
COMMENTS:								
			<u> </u>					

4 Form 3 160-5 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED OMB No. 1004-0135 Expires Jnovember 30, 2000

5. Lease Serial No.

SUNDRY NOTICES AND REPORTS ON WELLS	L\$
-------------------------------------	-----

Do not use this form for proposals to drill or reenter an

7		161	~ 4:				Ma
	_			 -		 	
٧	•	-	, ,,	 	マヤ	 •	

MILITIPLE LEASES

abandoned well.	Use Form 3160-3 (APD) for such proposals.	or a mount, motor of the	De Hamo
SUBMIT IN TRIPL	ICATE Other instru	uctions on reverse side	7. If Unit or CA/Agreemen	it, Name and/or No.
1. Type of Well				
Oil Well X Gas Well	Other Other		8. Well Name and No.	
2. Name of Operator			MUTIPLE WELLS	S
KERR-McGEE OIL & GAS (ONSHORE LP		9. API Weil No.	
3a. Address		3b. Phone No. (include area co		
1368 SOUTH 1200 EAST V	ERNAL, UT 84078	(435) 781-7024	10. Field and Pool, or Explo	ratory Area
4. Location of Well (Footage, Sec.,	T., R., M., or Survey Descript			•
			11. County or Parish, State	
SEE ATTACHED				1 mar & 7 ,
			UINTAH COUNTY, U	HAH
12. CHECK APP	ROPRIATE BOX(ES) TO	INDICATE NATURE OF NOT	TICE, REPORT, OR OTHER DAT	TA .
TYPE OF SUBMISSION		TYPE OF A	CTION	
Notice of Intent	Acidize	Deepen Pro	oduction (Start/Resume) Water S	Shut-Off
Subsequent Report	Alter Casing	= =	clamation Well In	• •
Subsequent Report	Casing Repair Change Plans		complete	CHANGE OF
Final Abandonment Notice	Convert to Injection		ater Disposal	NOR
Attach the Bond under which the wo following completion of the involved	ally or recomplete horizontally, good will be performed or provide operations. If the operation residendonment Notices shall be file.	give subsurface locations and measured the Bond No. on file with BLM/BIA ults in a multiple completion or recom	date of any proposed work and approxima d and true vertical depths of all pertinent a. Required subsequent reports shall be f npletion in a new interval, a Form 3160-4 ling reclamation, have been completed, a	markers and zones. iled within 30 days shall be filed once
PLEASE BE ADVISED THA OPERATOR OF THE ATTA	T KERR-McGEE OIL &	& GAS ONSHORE LP, IS O	CONSIDERED TO BE THE	RECEIVED
KERR-McGEE OIL & GAS (MAV i fi anno
OF THE LEASE(S) FOR TH	E OPERATIONS CON	IDUCTED UPON LEASE L	VIS AND CONDITIONS LANDS, BOND COVERAGE	MAY 1 0 2006

IS PROVIDED BY STATE OF UTAH NATIONWIDE BOND NO. RLB0005237 DIV. OF OIL, GAS & MINING BLM BOND = C0/203 BIA BOND = RLB 0005239 Division of Oil, Gas and Mining I hereby certify that the foregoing is true and correct Earlene Russell, Engineering Technician Name (Printed/Typed) Title RÁNDY BAYNE DRILLING MANAGER Date May 9, 2006 THIS SPACE FOR FEDERAL OR STATE USE Approved by Title Date Conditions of approval, if any, are attached. Approval of this notice does not warrant or Office certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any

false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Form 3 160-5 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

Expires Inovember 30, 2000

5. Lease Serial No.

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

MULTIPLE LEASES
6. If Indian, Allottee or Tribe Name

FORM APPROVED

OMB No. 1004-0135

			7. If Unit or CA/Agreement, Name and/or No.							
SUBMIT IN TRIPL	SUBMIT IN TRIPLICATE - Other instructions on reverse side									
1. Type of Well			-							
Oil Well X Gas Well	Other		8. Well Name and No.							
2. Name of Operator			MUTIPLE WELLS							
WESTPORT OIL & GAS CO	MPANY L.P.		9. API Well No.							
3a. Address		3b. Phone No. (include area code)	1							
1368 SOUTH 1200 EAST V		(435) 781-7024	10. Field and Pool, or Exploratory Area							
4. Location of Well (Footage, Sec.,	T., R., M., or Survey Description	on)								
SEE ATTACHED			11. County or Parish, State							
			UINTAH COUNTY, UTAH							
	ROPRIATE BOX(ES) TO	INDICATE NATURE OF NOTICE, F	REPORT, OR OTHER DATA							
TYPE OF SUBMISSION		TYPE OF ACTION	V							
Notice of Intent	Acidize Alter Casing	Deepen Production Fracture Treat Reclamatic	(Start/Resume) Water Shut-Off							
Subsequent Report	Casing Repair Change Plans	New Construction Recomplet	e							
Final Abandonment Notice	Convert to Injection	Plug and Abandon Plug Back Plug Back Water Dist	y Abandon OPERATOR							
13. Describe Proposed or Completed Oper	ations (clearly state all pertinent	details including estimated starting date of a	ny proposed work and approximate duration thereof.							
testing has been completed. Final Al determined that the site is ready for fin	perations. If the operation results and on ment Notices shall be file at inspection.	ats in a multiple completion or recompletion of donly after all requirements, including reclassions.	red subsequent reports shall be filed within 30 days in a new interval, a Form 3160-4 shall be filed once mation, have been completed, and the operator has							
ONSHORE LP.	HE ATTACHED WELL	LOCATIONS TO KERR-McGE	EE OIL & GAS							
ONSHORE LP.	APPR	OVED 5/16/06	DEOGNA							
		rlove Russell	RECEIVED							
	Division	of Oil, Gas and Mining	MAY 1 0 2006							
	Earlene I	Russell, Engineering Technician								
14. I hereby certify that the foregoing			DIV OF OIL GAS & MINING							
Name (Printed/Typed)	s is true and correct	Title								
BRAD LANEY		ENGINEERING SPECIALIS	т							
Signature		Date May 9, 2006								
	THIS SPACE	FOR FEDERAL OR STATE USE								
Approved by	THE OT AVE	Title Title	Date							
Grad Janus			5-9-06							
Conditions of approval, if any, are attacked	Approval of this notice does not v	varrant or Office								
certify that the applicant holds legal of equit which would entitle the applicant to conduct	operations thereon.									
Title 18 U.S.C. Section 1001, make	it a crime for any person kno	wingly and willfully to make to any depart	artment or agency of the United States any							

false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Sundry Number: 65446 API Well Number: 43047351460000

	STATE OF UTAH		FORM 9		
	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MINI		5.LEASE DESIGNATION AND SERIAL NUMBER: U-1197-A-ST		
SUNDR	RY NOTICES AND REPORTS (ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
	oposals to drill new wells, significantly d reenter plugged wells, or to drill horizon n for such proposals.		7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES		
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 1022-11J				
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ON	NSHORE, L.P.		9. API NUMBER: 43047351460000		
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18tl	h Street, Suite 600, Denver, CO, 80217	PHONE NUMBER: 3779 720 929-	9. FIELD and POOL or WILDCAT: 6 INATURAL BUTTES		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1980 FSL 2103 FEL			COUNTY: UINTAH		
QTR/QTR, SECTION, TOWNSH	HIP, RANGE, MERIDIAN: 11 Township: 10.0S Range: 22.0E Meridi	an: S	STATE: UTAH		
11. CHEC	K APPROPRIATE BOXES TO INDICATI	E NATURE OF NOTICE, REPOR	RT, OR OTHER DATA		
TYPE OF SUBMISSION		TYPE OF ACTION			
	ACIDIZE	ALTER CASING	CASING REPAIR		
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME		
	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE		
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION		
8/11/2015	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK		
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION		
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON		
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL		
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION		
	WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: TUBING OBSTRUCTION		
A WORKOVER/WEI	COMPLETED OPERATIONS. Clearly show all LLBORE CLEANOUT HAS BEEN THE ATTACHED OPERATION	I COMPLETED ON THE			
NAME (PLEASE PRINT) Doreen Green	PHONE NUMBE 435 781-9758	Regulatory Analyst II			
SIGNATURE N/A		DATE 8/13/2015			

				U	S ROC	KIES RE	GION	
				Opera	tion S	Summa	ry Report	
Well: NBU 1022-	·11J						Spud date: 10	/15/2004
Project: UTAH-U	INTAH		Site: NBI	J 1022-11	J PAD			Rig name no.: GWS 1/1
Event: WELL WO	ORK EXPENSE		Start date	e: 7/13/20	15			End date: 7/31/2015
Active datum: Gl Level)	L @5,074.99usft (abo	ve Mean Sea	•	UWI: NE	3U 1022-	11J		
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
7/14/2015	7:00 - 7:30	0.50	MAINT	48		Р		RD/RU
	7:30 - 13:30	6.00	MAINT	30	A	Р		MIRU,BLOW DWN WELL, KILL WELL, 20 BBLS CSG-TBG, NDWH, NU BOP'S, UNLAND TBG,TBG STUCK, PU PWR SWIVEL, WORK TBG, PULLED FREE, CAN PULL UP BUT SOLID GOING DWN
	13:30 - 13:30	0.00	MAINT	45	Α	Р		RU SCANNER, POOH SCANING TBG. HOLE JT 136, HEAVY INTERNAL PITTING, HEAVY EXTERNAL SCALE, SCANNED 217 JTS OUT, TBG PARTE 1' BELOW COLLAR, 147 RED, 70 GOOD. CALL RBS TO RU FISHING JOB IN AM, 11 JTS STILL IN HOLE
7/15/2015	7:00 - 7:30	0.50	MAINT	48		Р		FISH TBG
	7:30 - 10:00	2.50	MAINT	31	В	Р		RU RBS FISH ASSY TO TIH TO FISH 11 JTS TBG SHOE 3 3/4" 1.85 XO BUSHING 3 7/8 X 3 3/4 HYD 0.75 OVERSHOT BOWL 1.10 XO 3 3/4 HYD X 3 7/8 OSB 0.79 1 JT 3 3/4 HYD 30.75 WASH PIPE PUP 3 3/4 HYD 8.40 TOP BUSHING 2 3/8 X 3 3/4 1.83 ALLIONCE LBS 2 3/8 8.01 ALLIONCE JAR 10.83 4 DC 2 3/8 125.37 ALLIONCE INTENSIFIER 2 3/8 R 8.58 XO SUB 2 3/8 EUE X 23/8 REG 1.04 TOTAL ASSBLY LENGTH 199.30' OVERSHOT DRESSED WITH 3 1/16" SPIRAL
	10:00 - 15:30	5.50	MAINT	31	I	Р		GRAPPLE AND 2 3/4" ID COLLAR STOP RING PU P-110 TBG, TIH TO TAG FISH AT 7048'.TAGGED
7/16/2015	7:00 7:00	0.50	MAINIT	40		D		7008' 214 JTS TAGGED SCALE. SWIFN
7/16/2015	7:00 - 7:30 7:30 - 10:00	0.50	MAINT	48	P	P P		FISHING
	10:00 - 12:00	2.50 2.00	MAINT MAINT	31 31	B B	P		BREAK CIRC, MILL DWN TO FISH TOP, MILL DWN OVER FISH TOP TO 7048', 216 JTS, TRY TO LATCH FISH, NO LUCK,
	12:00 - 15:30	3.50	MAINT	31	I	Р		POOH CK GRAPPLE ASSY. PULLED OUT WITH 1 JT (32') 3 PIECES IN GRAPPLE, STILL 10 JTS IN HOLE
	15:30 - 18:00	2.50	MAINT	31	I	Р		NU BTM HOLE ASSY, TIH WITH ASSY AND P-110 TBG.
								KUTRITE SHOE "WAVEY" 3 3/4 X 3 3/16 2.00 6 JTSWASH PIPE 3 3/4 HYD 189.01 TOP BUSHING 2 3/8 X 3 3/4 1.83 ALLIONCE LBS 2 3/8 8.01 ALLIONCE JAR 10.83 4 DC 2 3/8 125.37 ALLIONCE INTENSIFIER 2 3/8 R 8.58 XO SUB 2 3/8 EUE X 23/8 REG 1.04 TOTAL ASSBLY LENGTH 346.67 PU ASSY, 2 JTS P-100, TIH SWIFN, LOCK OUT BOP'S,

8/13/2015 8:38:33AM 1

Sundry Number: 65446 APT Well Number: 43047351460000
US ROCKIES REGION

Operation Summary Report

 Well: NBU 1022-11J
 Spud date: 10/15/2004

 Project: UTAH-UINTAH
 Site: NBU 1022-11J PAD
 Rig name no.: GWS 1/1

.,								J		
Event: WELL W	ORK EXPENSE	Start date	e: 7/13/20)15			End date: 7/31/2015			
Active datum: G	GL @5,074.99usft (a	bove Mean Sea		1	BU 1022-	11J		1		
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation		
7/17/2015	7:00 - 7:30	0.50	MAINT	48		Р		TRIPPING		
	7:30 - 10:30		MAINT	31	I	Р		R&R JAR ASSY, PU P-110 TBG, TIH TO 7048', TAG FISH TOP		
	10:30 - 12:00	1.50	MAINT	31	Н	Р		, PU PWR SWIVEL, RU WEATHERFORD, BREAK CIRC WITH FOAM UNIT		
	12:00 - 21:00	9.00	MAINT	44	D	Р		WASH OVER 210- 212 JTS (2 JTS), 7083', 2 HRS PER JT MILLING, PU TO SWI, LOST CIRC, CAN'T ROTATE, REGAIN CIRC, CIRC CLEAN, PU 10 JTS, LOCKED UP, SET OFF JARS 3 TIMES, BROKE LOOSE, PU STD BACK 30 STDS, EOT 4068' SWIFWE		
7/20/2015	6:45 - 7:00	0.25	MAINT	48		Р		HSM.		
	7:00 - 9:30	2.50	MAINT	31	I	Р		SWP = 350 PSI. BLOW WELL DOWN T/ RIG TANK. PUMP 10 BBLS DOWN TBG & 10 DOWN CSG. CONT POOH STD BK 4 - 31/8 DC, BS & JARS, 4 JTS 31/8 WASH PIPE W/ 2'x 37/8 WASH OVER SHOE. FOUND 21' OF 23/8 TBG INSIDE OF WASH PIPE (PIPE HAD LOST OF HOLES, VERY THIN & SCALE ON ID & OD)		
	9:30 - 12:00	2.50	MAINT	31	I	Р		PU NEW 2'x37/8 SHOE, 4 JTS 33/4 WP, BS, JAR, 4 - 31/8 DC & INTENS. RIH W/ 213 JTS. RU DRL EQUIP ON JT 214. TAG @ 7062'.		
	12:00 - 16:30	4.50	MAINT	44	D	Р		BRK CONV CIRC W/ WTF FU. 1HR 20 MIN T/ GET RETURNS. WASH DOWN 13' F/ 7062' T/ 7075' FELL FREE. CONT RIH T/ 7086' STARTED MILLING PATCHY SCALE F/ 7086' T/ 7120'. QUIT MAKING HOLE @ 7120'. (WASH OVER 58' OF FISH) P/U 5'. CIRC WELL CLEAN. 45 MIN.		
	16:30 - 17:00	0.50	MAINT	31	I	Р		STD BCK DRL EQUIP. POOH W/ 30 JTS. EOT @ 6162'. SWIFN.		
7/21/2015	6:45 - 7:00	0.25	MAINT	48		Р		HSM.		
	7:00 - 10:30		MAINT	31	I	Р		SICP = 450 PSI. BLOW WELL DOWN T/ FBT. PUMP 20 BBLS DOWN TBG. CONT POOH W/ TBG & WASH OVER EQUIP. FOUND NOTHING INSIDE WASH OVER PIPE. LD WASH OVER SHOE.		
	10:30 - 14:00		MAINT	31	I	Р		PU WASH OVER SHOE W/ T-DOG OS, 2 JTS 33/4 WP, BS, JAR, 4 DC, INTENS & 6' P-110 PUP JT. RIH W/ 216 JTS, DROP OVER FISH TOP @ 7062'. WORK FISHING EQUIP DOWN T/ 7120'.		
	14:00 - 17:00	3.00	MAINT	31	I	Р		POOH W/ TBG & FISHING EQUIP. FOUND = 38' OF 23/8 BAD SCALED, HOLY PIPE INSIDE WP. SWIFN. NOTE - 251' OF FISH LEFT IN HOLE. NEW FISH TOP @ 7100'.		
7/22/2015	6:45 - 7:00	0.25	MAINT	48		D		₩ 7100. НСМ		

8/13/2015 8:38:33AM 2

Р

HSM.

7/22/2015

6:45 - 7:00

0.25

MAINT

48

<u> Sundry Number: 65446 API Well Number: 43047351460000</u> **US ROCKIES REGION Operation Summary Report** Spud date: 10/15/2004 Well: NBU 1022-11J Project: UTAH-UINTAH Site: NBU 1022-11J PAD Rig name no.: GWS 1/1 Event: WELL WORK EXPENSE End date: 7/31/2015 Start date: 7/13/2015 UWI: NBU 1022-11J Active datum: GL @5,074.99usft (above Mean Sea P/U Date Phase Time Duration Code Sub MD from Operation Start-End (hr) Code (usft) 7:00 - 10:00 3.00 MAINT 31 Ρ SICP = 250 PSI. BLOW WELL DOWN T/ FBT. PUMP 20 BBLS. PU 37/8 WP SHOE. 1 JTS 33/4 WP, 33/4 T-DOG OS, 3 JTS 33/4 WP, JAR, BS, 4 DC, INTENS, XO T/ TBG. RIH W/ 215 JTS 23/8 P-110 WORK STRING. TAG FISH TOP @ 7118'. 10:00 - 15:00 5.00 MAINT 31 В RU DRL EQUIP. BRK CONV CIRC W/ WTF FU (1hr WASH DOWN T/ 7153'. STOP MAKING HOLE. WASH FOR 1hr 30min. (WASH DOWN TOTAL OF 32') STD BCK DRL EQUIP. POOH W/ 50 JTS TBG, EOT @ 5570'. SWIFN. 7/23/2015 6:45 - 7:00 0.25 MAINT 48 **HSM** 7:00 - 9:30 2.50 MAINT Р SICP = 450 PSI. BLOW WELL DOWN T/ FBT. PUMP 20 BBLS DOWN TBG. CONT POOH W/ TBG & WO W/ T-DOG OS EQUIP. STD BCK BHA. FOUND 1' PEACE & 6" PEACE OF TBG STUCK INSIDE WASH PIPE. XO TBG EQUIP. 9:30 - 12:45 3.25 **MAINT** 31 Ρ PU 37/8 WO SHOE, 4 JTS 33/4 WP, BS, JAR, 4 DC, INTENS & XO T/ TBG. RIH W/ 214 JTS 23/8 P-110 TBG. RU DRL EQUIP. 12:45 - 17:00 4.25 MAINT В Р 31 BRK CONV CIRC W/ WTF FU (1hr 25 min) TAG FISH TOP @ 7112'. WORK PIPE DOWN T/ 7120' MILL DOWN T/ 7161'. MADE TOTAL OF 41'. STOP MAKING HOLE. WORK PIPE. CIRC WELL CLEAN. SDFN. 7/24/2015 6:45 - 7:00 0.25 **MAINT** 48 **HSM** 7:00 - 11:30 4.50 MAINT 31 SICP @ 490 PSI. BLOW WELL DOWN T/ FBT. PUMP 20 BBLS DOWN TBG. CONT POOH W/ TBG & WO EQUIP. LD FANGE TOOTH SHOE. FOUND NOTHING INSIDE WP. (FANGE TOOTH SHOE WAS WORE OUT) 11:30 - 15:00 3.50 MAINT 31 Ρ PU 33/4 CUT LIP SHOE W/ T-DOG OS, 2 JTS 33/4 WP, JAR, BS, 4 DC, INTENS & XO T/ TBG. RIH W/ RIH W/ 217 JTS, RU DRL EQUIP. WORK PIPE DOWN T/7143'. (SEEN T-DOG OS DROP OVER TBG CL @ 7140'.) RD DRL EQUIP. POOH W/ 60 JTS. EOT @ 5243'. SWIFWE. 7/27/2015 6:45 - 7:00 0.25 **MAINT** HSM. 7:00 - 9:00 2.00 Ρ MAINT 31 SICP = 490 PSI BLOW WELL DOWN T/ FBT.

8/13/2015 8:38:33AM 3

PUMP 20 BBLS DOWN TBG.

LD TBG.

FOUND 31' OF TBG IN WASH PIPE.

NOTE - 211' OF FISH LEFT IN HOLE.

CONT POOH W/ 156 JTS TBG, INTENS, 4 DC, BS, JAR, 2 JTS 33/4 WASH PIPE & T-DOG OS W/ G - LIP.

<u> Sundry Number: 65446 API Well Number: 43047351460000</u> **US ROCKIES REGION Operation Summary Report** Spud date: 10/15/2004 Well: NBU 1022-11J Project: UTAH-UINTAH Site: NBU 1022-11J PAD Rig name no.: GWS 1/1 Event: WELL WORK EXPENSE End date: 7/31/2015 Start date: 7/13/2015 UWI: NBU 1022-11J Active datum: GL @5,074.99usft (above Mean Sea Date P/U Phase Time Duration Code Sub MD from Operation Start-End (hr) Code (usft) 9:00 - 12:30 3.50 **MAINT** 31 Ρ PU 37/8 MILL SHOE. 4 JTS 33/4 WASH PIPE. BS. JAR, 4 DC, INTENS & 6' X 23/8 P-110 PUP JT. RIH W/ 216 JTS, TAG @ 7133'. LD 1 JTS. RU DRL EQUIP. 12:30 - 18:00 5.50 MAINT D BRK CONV CIRC W/ WTF FU. 1hr 25min. WASH DOWN F/7133' T/7146'. MILLED F/ 7146' T/ 7161'. STOP MAKING HOLE. WORK PIPE. MADE NO HOLE. DRY DRILL FOR 20 MIN, NO CHANGE. CIRC WELL CLEAN W/ WTF FU FOR 45 MIN. PUMP 10 BBLS DOWN TBG. RD DRL EQUIP. POOH W/ 30 JTS. EOT @ 6211'. SWIFN. 7/28/2015 6:45 - 7:00 0.25 **MAINT** 48 HSM. 7:00 - 10:00 3.00 MAINT Ρ SICP= 440 PSI/ BLOW WELL DOWN T/ FBT. PUMP 20 BBLS DOWN TBG. CONT POOH W/ TBG & WASHOVER EQUIP. (FOUND 2-1' PEACES OF TBG INSIDE WASH PIPE) LD 4 JTS 33/4 WASH PIPE. 10:00 - 15:00 5.00 **MAINT** Ρ 31 PU 3 7/8 METAL MUNCHER MILL W/ 2 JUNK BASKET SUBS, 2-3 1/8 DC, JAR, BS, 2-3 1/8 DC, INTENS, XO T/ TBG. RIH W. 204 JTS. EOT @ 6648'. SWIFN. 7/29/2015 6:45 - 7:00 0.25 MAINT Р 48 HSM. 7:00 - 8:30 Р 1.50 MAINT 31 SICP = 250 PSI. BLOW WELL DOWN T/ FBT. PUMP 20 BBLS DOWN TBG. CONT RIH W/ METAL MUNCHER MILL F/ 6648'. TAG FILL @ 7152'. 8:30 - 16:30 8 00 MAINT Р D RU DRL EQUIP. BRK CONV CIRC W/ FU (1hr 25min) 9:50 AM - START MILLING @ 7150'. EASY MILLING T/ 7156'. MILLED T/ TBG COLLAR @ 7174', VERY HARD DRILLING. HARD MILLING T/7186'. MADE TOTAL OF 30'. 4:45 PM - CIRC CLEAN FOR 40 MIN. PUMP 10 BBLS T/ KILL TBG. STD BK DRL EQUIP. POOH W/30 JTS. EOT @ 6236'. SWIFN. 6:45 - 7:00 7/30/2015 0.25 **MAINT** 48 HSM. 7:00 - 8:30 1.50 MAINT 31 Р SICP = 480 PSI. BLOW WELL DOWN T/ FBT. PUMP 10 BBLS DOWN TBG. RIH W/30 JTS. RU DRL EQUIP. 8:30 - 12:30 4 00 MAINT 44 D Р BRK CONV CIRC W/ WTF FU (1hr 20min) CONT MILLING @ 7186'. MILLED T/7190'. STOPPED MAKING HOLE. CIRC WELL CLEAN.

8/13/2015 8:38:33AM 4

RD DRL EQUIP.

<u> Sundry Number: 65446 API Well Number: 43047351460000</u> **US ROCKIES REGION Operation Summary Report** Spud date: 10/15/2004 Well: NBU 1022-11J Project: UTAH-UINTAH Site: NBU 1022-11J PAD Rig name no.: GWS 1/1 Event: WELL WORK EXPENSE End date: 7/31/2015 Start date: 7/13/2015 UWI: NBU 1022-11J Active datum: GL @5,074.99usft (above Mean Sea Phase P/U Date Time Duration Code Sub MD from Operation Start-End (hr) Code (usft) 12:30 - 18:00 5.50 MAINT 31 Ρ POOH LD 216 JTS 23/8 P-110 TBG. 6' PUP JT. INTENS, 2 DC, BS, JAR, 2 DC, 2 JUNK BASKET SUB'S & METAL MUNCHER MILL. SWIFN. THE CENTER OF MILL WAS WORE OUT. FINISH FISHING OPS DUE T/ BUGET. NOTE - LEFT 174' OF FISH IN THE WELL. = 5.5 JTS 23/8 J-55 TBG FISH TOP @ 7190' T/ 7361'. 20 PERF'S COVERD BUY FISH T/ 7194' T/ 7310'. 7/31/2015 7:00 - 7:15 0.25 MAINT Ρ 7:15 - 12:00 Р 4.75 MAINT 31 MAKE UP NOTCHED COLLAR AND XN NIPPLE. TIH W 35 STANDS OUT OF THE DERRICK. PU AND TIH W 143 JT 2-3/8" J-55 TBG, BROACHED SAME. LANDED TBG NDBOPE NUWH KB= 15.00' NC= 42' XN NIPPLE= 1.33' 213 JTS 2-3/8" J-55= 6775.35' 6792.10' 12:00 - 14:00 2.00 **MAINT** Ρ CIRC WELL AROUND WITH FOAM AND AIR. SWI TO BUILD PRESURE. WELL WILL NEED PURGED. 14:00 - 15:30 1.50 MAINT 30 Н Ρ RDMO TO NBU 222 7:00 8/5/2015 - 17:00 10.00 **PROD** 42 Р Starting pressure TBG 135 CSG 535 PSI Made 13 runs Fluid level was at 5600ft Recovered 12bbls Well was on a suck for part of the day, then well start to blow. Heavy scale on each run. Tight tubing from 4300ft to 4700ft. Couldn't swab well on, rig off wellhead. Travel back to shop. **Ending Pressure** Tb 0 PSI CA 575 PSI 8/6/2015 7:00 - 17:00 10.00 **PROD** 42 TBG 175 CSG 540 PSI Starting pressure Made 11 runs Fluid level was at 5400ft Recovered 38bbls Well flow for 1hour then die. Swab well back on. Heavy scale. Tubing flow, a few times, then die. Rig off wellhead, travel back to shop. **Ending Pressure** Tb 30 PSI CA 590 PSI 8/7/2015 7:00 - 17:00 10.00 PROD 42 В TBG 260 CSG 550 PSI Starting pressure Made 6 runs Fluid level was at 5800ft Recovered 28bbls Got well flowing for 3hours. Tubing never got strong enough to dropped a plunger. Well was unloading lots of water, scale after runs. Rig off wellhead, travel back to shop. **Ending Pressure** Tb 50 PSI CA 460 PSI

8/13/2015 8:38:33AM 5

Sundry	Number:	65446 7	APT We	-11 N	Iumbe	r: 4	3047351	460000	
US ROCKIES REGION									
				Opera	tion S	Summa	ry Report		
Well: NBU 1022	!-11J						Spud date: 10	/15/2004	
Project: UTAH-U	JINTAH		Site: NBU	J 1022-11	J PAD			Rig name no.: GWS 1/1	
Event: WELL W	ORK EXPENSE		Start date	e: 7/13/20	15			End date: 7/31/2015	
Active datum: G Level)	L @5,074.99usft (abo	ve Mean Sea		UWI: NBU 1022-11J				·	
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation	
8/10/2015	7:00 - 17:00	10.00	PROD	42	В	Р		Starting pressure TBG 530 CSG 545 PSI Made 6 runs Fluid level was at 4300ft Recovered 44bbls Swab well on, flow tubing to tank for 1hour. Dropped scale knocker. Tripped plunger twice, plunger was taking 30min, to come up. Shut well in for the night. Ending Pressure Tb 310 PSI CA 460 PSI	
8/11/2015	7:00 - 17:00	10.00	PROD	42	В	Р		Starting pressure TBG 530 CSG 545 PSI Made 5 runs Fluid level was at 4800ft Recovered 36bbls Swab well on, flow tubing to tank for 45min. Tripped plunger three times, but plunger was taking 40min to trip. Rig down, travel back to shop. Ending Pressure Tb 310 PSI CA 460 PSI	

8/13/2015 8:38:33AM 6